

**Search prepared for: Akiba Robinson Boyce**

By: Sylvia Keys

Date: May 31, 2002

Please find attached the results of your search for **09/626 576**. The search was conducted using the standard collection of databases on Dialog for EIC 2100.

The following other electronic products were searched:  
na

If you have any questions, please do not hesitate to contact me.

Sylvia Keys  
703.305.0757

File 621:Gale Group New Prod.Annou.(R) 1985-2002/May 30

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File 636:Gale Group Newsletter DB(TM) 1987-2002/May 30

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?ds

Set	Items	Description
S1	1598989	FARM? OR PHARM? ? OR PHARMING? OR FIELD? ? OR AGRICULTUR? - OR GRANG? OR HOMESTEAD? OR PLANTATION? OR HACIENDA? OR AREA? ? OR LAND? ? OR TRACT? OR REAL()ESTATE? OR ACRE? OR RANCH? OR - HECTARE? OR INTERCROPP?
S2	2624980	CROP? ? OR PLANT? ? OR MONEYCROP? OR (CROP? ? OR PRODUCT? ?) (1W)INTEREST? OR HARVEST? ? OR PRODUCE OR PRODUCT? ? OR AGR- IBUSINESS OR SPECIES OR GREENHOUSE? OR AGROFORESTRY?
S3	547100	S2(5N) (NEW? ? OR SECOND OR 2ND OR ADDITIONAL OR ALTERNATIV- E? OR DIFFERENT? OR SUPPLEMENT? OR EXTRA? OR ANOTHER? OR AUGM- ENT? OR ADDED OR BACK()UP?)
S4	2570222	ANALYS? OR ANALYZ? OR FORECAST? OR ESTIMAT? OR PLAN OR PLA- NNED OR PLANNING OR CALCULAT? OR PICK? OR RECOMMEND? OR EVALU- AT? OR TARGET? OR PROJECT
S5	164568	S4(5N) (PROFIT? ? OR EARNING? OR RETURN? ? OR SUCCESS? OR - LUCRATIVE OR MONEYMAKER? OR COMPENSATION OR DIVIDEND? OR INCO- ME? OR PERCENTAGE? OR PROCEEDS OR RECEIVABLE? OR REVENUE? OR - ALLOCATION? OR MPF OR MOST() PROFITABLE() FARM?)
S6	5111	S3(S)S5
S7	134	S6(S) (DATABASE? OR DATA() (BASE? OR FILE?) OR DATABANK? OR - DATA()BANK? OR KNOWLEDGEBASE? OR KNOWLEDGE()BASE? OR (EXPERT - OR SMART) ()SYSTEM? OR RDBM OR DBMS OR RDB OR DB OR DBS OR OODB OR ODBC)
S8	20	S7(S) (IDENTIF? OR DETERMIN? OR DEFINE? SELECT? OR CHOSE? - OR CHOOS?)
S9	17	S8 NOT PY=>2001
S10	17	RD (unique items)
S11	623	S3(3N)S5
S12	1	S11(5N) (DATABASE? OR DATA() (BASE? OR FILE?) OR DATABANK? - OR DATA()BANK? OR KNOWLEDGEBASE? OR KNOWLEDGE()BASE? OR (EXP- ERT OR SMART) ()SYSTEM? OR RDBM OR DBMS OR RDB OR DB OR DBS OR OODB OR ODBC)
S13	1	S12 NOT S10

10/3,K/1 (Item 1 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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02560173 Supplier Number: 63129402 (USE FORMAT 7 FOR FULLTEXT)  
**FirstWorld Provides Outlook on Anticipated Second Quarter And Year End Results; Announces Management Transition.**  
PR Newswire, p3115  
July 5, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1233

... its capital and resources towards its IDC business which offers the greatest and most immediate **return** on investment and will **evaluate** all non-IDC businesses to **determine** how to maximize value in each. In addition, in order to increase the speed at...

...through programs designed to improve technical knowledge, sales process and tracking. FirstWorld has refined its **database** marketing practices to better target customers within the small and medium-sized market and increased...

...FirstWorld is focused on maximizing revenue per customer and gross margin through the development of **new products** such as a robust managed server **product** and **new** valued- **added** managed services within its IDCs.  
"In order for FirstWorld to solidify its position within the...

10/3,K/2 (Item 2 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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01430754 Supplier Number: 46736118 (USE FORMAT 7 FOR FULLTEXT)  
**CADIS Launches Expansion of Parts Information Management Business**  
News Release, pN/A  
Sept 24, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 550

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...Douglas; Navistar International; Polaroid; Raytheon; Scientific Atlanta; Storage Technology; Sunbeam, Inc.; Tektronix; and 3M. "We **plan** to leverage our **success** as the leading parts information management solutions provider in the U.S. today;" said CADIS...

...version 3.5, was announced in July 1996. Version 3.5 adds a number of **new** features that expand the **product**'s query functionality, enabling complex parts data to be easily modeled in the PMX **knowledge base** and intuitively searched from desktop client systems. Key enhancements include a new Extended Query capability that enables users to **identify** components based on their parametric attributes, then perform an extended query to research all the...

10/3,K/3 (Item 3 from file: 621)  
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01419299 Supplier Number: 46646675 (USE FORMAT 7 FOR FULLTEXT)  
**VDS Vault Access incorporates Spicer's Imagenation**  
News Release, pN/A  
August 22, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 614

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...of industry-standard formats including ME10 MI formats and Microsoft Word and Excel documents. VDS **choose** Imagenation after reviewing **alternative** imaging **products** on the market. Barry Brown, VDS PDS Business Manager, explains: "The Hewlett-Packard ME10 CAD...

...file format capabilities, and the company's integration services. A key part of the Vault **project success** has been the integration strengths of the selected components. Imagenation's API allows VDS to...

...standard file formats for CAD, text, scanned, and faxed documents for Windows, Macintosh, and UNIX. **Database** -independent, Imagenation's API allow integration in Electronic Document Management (EDMS), Product Document Management (PDM...

10/3,K/4 (Item 4 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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01392644 Supplier Number: 46458290 (USE FORMAT 7 FOR FULLTEXT)

**NESTOR IN MAJOR PACT WITH NATIONAL COMPUTER SYSTEMS**

News Release, pN/A

June 11, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 330

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Route. The pact also gives NCS the right to use NESTOR's technology to develop **new products** in other areas. In addition to a payment of \$1.7 million, mostly as initial...

...national industry standards. We are now able to concentrate a more focused effort in two **target** areas, each with great **profit** potential: applications of PRISM in bank-card fraud detection and **database** knowledge extraction; and systems built upon our Nil 000 Recognition Accelerator chip, including TrafficVision for...

...the capabilities of our imaging systems to deliver the functionality our customers require." Mr Guilotti **added**, "The Nestor character recognition **products** and neural network technology are significant complements to NCS products and technology and will insure...

...data through pattern recognition. NESTOR's premier products include PRISM (Proactive Risk Management System) for **identifying** subtle patterns of purchasing behavior, including fraud and credit risk, and revenue enhancement; and the...

10/3,K/5 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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04654464 Supplier Number: 62033196 (USE FORMAT 7 FOR FULLTEXT)

**Day Two at N'Awlins: The Moderator Matters, Sallie Hofmeister Shows.**

CableFAX, v11, n92, pNA

May 10, 2000

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 365

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...the panel one of the best in recent memory. Perhaps it was because the



NCTA chose LA Times' Sallie Hofmeister, an articulate, working journalist who actually covers the industry, to moderate...The market is fickle and analysts are looking for things to worry about, such as DBS competition. The message is "We have to deliver." Consensus was that, sure, stocks are a ...t have the anticipated new revenues that cable will possess. Charter (CHTR), for example, is planning on \$300mln in new revenue by the end of the year, Kent said, with Somers noting that AT&T is adding 6K new product units/day.

10/3,K/6 (Item 2 from file: 636)  
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04213059 Supplier Number: 55048101 (USE FORMAT 7 FOR FULLTEXT)  
ConSors soars above competition.  
Retail Banker International, n414, pNA  
June 29, 1999  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1740

... we have been leaders in product innovation and we can act very quickly to deliver new products and services that will make our customers very satisfied," says Schmidt. New account generation is...

...accounts per day. Income from mutual funds, said Schmidt, will be one of the main earnings growth opportunities. ConSors estimates that 50 percent of its customers own mutual funds but only a fraction of those...

...months the company website will be upgraded to enable customers to search the mutual fund database by several predefined criteria to help determine which fund is best suited to their investment needs. ConSors customers can use their brokerage...

10/3,K/7 (Item 3 from file: 636)  
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04123364 Supplier Number: 54154361 (USE FORMAT 7 FOR FULLTEXT)  
AD CHIEFS PURSUE DOLLARS IN NEW WAYS, OLD PLACES; Sales reps given new skills and incentives to sell -- the BMW plan delivers big time.  
NewsInc, v11, n2, pNA  
Jan 18, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1142

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

Market by market, newspaper ad directors are targeting new sources of revenue, equipping their sales staffs with new marketing tools and offering new incentives -- such as a luxury auto -- to sell, sell, sell. From new internal alignments to database marketing and renewed focus on customer service, ad directors are employing new tools and targeting...

...who have been on 100 percent commission for two years, are benefiting from a burgeoning database being nurtured by the Copley paper's three-year-old marketing department. "We have a...  
...a list for our salesmen to call on." EVERY BUSINESS IN NEBRASKA An even heftier database project is being undertaken chainwide by Lee Enterprises Inc. of Davenport, Iowa. In Nebraska, the Lincoln Journal Star finds database knowledge "helps identify the opportunities and points you in the right direction," says Retail Ad Manager Jeff Barr. The database pointed to four areas warranting intense effort in 1999: insurance, home improvement, medical care providers and personal service businesses, such as hairdressers. Area retailers are identified, an estimated annual sales

figure is attached to each (using national data for a particular...

...that likely would be spent on advertising is computed. With that, Barr explains, "we can **determine** what our portion of the advertising budget should be." Thus sales goals are based on...

...a second or third or fourth time." But because reps are charged with feeding the **database** with current data about their prospects and accounts, they are "continually pulling bits and pieces from the customer" through repeat visits. While the Journal Star recently hired a **database** manager, Lee is relying on Monica Tews to lead the multimedia company's properties into the **database** era. Tews, the corporate business marketing **database** manager, says new revenue may be realized from selling access to Lee **databases** to companies wanting to do business-to-business mailings. "I have 72,000 businesses in my **database** -- that's every business in Nebraska," she says from her office in Lincoln. And when...

...Lee paper is thinking of starting a new section or tab, it can query its **database** for the market for a given segment, then go to advertisers with a firm grasp...year, the goal rises by 50 percent -- but new dollars from the first year's **crop** of **new** clients can count toward the goal. And the BMW plan does not affect existing commission...

10/3,K/8 (Item 4 from file: 636)  
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04096735 Supplier Number: 53910328 (USE FORMAT 7 FOR FULLTEXT)  
**SUN TIES WORKERS' COMPENSATION PLAN TO SYSTEM UPTIME.**  
Computergram International, pNA  
Feb 10, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 379

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...top of the list of its concerns, Sun Microsystems Inc is linking its internal employee **compensation plan** directly to the level of system and application uptime its customers achieve. If six-monthly...

...SunUp network, which will add software to users' systems to measure actual application availability and **identify** the root cause of downtime. The data goes back to Sun, which says participants will then enhance **products** or deploy **new** practices to address these issues even while applications are running. Sun says the goal is...

...and for specific applications. Sun claims that HP's uptime numbers exclude planned outages and **database** and clustering hangs, putting it even farther behind Sun's service levels. A recent DH...

10/3,K/9 (Item 5 from file: 636)  
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04070320 Supplier Number: 53561276 (USE FORMAT 7 FOR FULLTEXT)  
**BRIO TECHNOLOGY: Turner Entertainment Networks selects Brio, Informatica for business intelligence.**  
M2 Presswire, pNA  
Jan 12, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 681

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...Nasdaq: BRYO] today announced that Turner Broadcasting System (TBS), Inc.'s Turner Entertainment Networks has **chosen** the Brio Enterprise suite of products and Informatica's PowerMart software to provide Intranet-based ...

...the enterprise. TBS, Inc., a subsidiary of Time Warner Inc., is a major producer of **news** and entertainment **products** around the world and the leading provider of programming for the basic cable industry. The Turner Entertainment Networks **chose** Brio Enterprise as the end user query, reporting and analysis software for its strategic data...  
...revenue and Nielsen ratings. TBS Inc.'s senior management will use the reporting facility to **analyse** operational costs, **revenue** and ratings data, making the best use of the group's important program inventory assets ...

...acquisition decisions. The data warehouse is being developed on a Unix platform, Oracle 7.3 **database**, with the Brio Enterprise business intelligence suite and Informatica's PowerMart software for designing, deploying...

...s Intranet. "We believe this data warehouse can contribute significantly to Turner's success, so **choosing** the right components was extremely important," said Peggie Potts, vice president of technology at Turner...

10/3,K/10 (Item 6 from file: 636)  
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03905201 Supplier Number: 50090505 (USE FORMAT 7 FOR FULLTEXT)  
**SPONSOR FORUM: WHAT'S YOUR MOST EFFECTIVE EDUCATIONAL TOOL?**  
Defined Contribution News, v6, n12, pN/A  
June 8, 1998  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1491

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...and session upon request, has proven most effective in educating participants because it helps them **determine** their own retirement investment needs. The workshops typically take place three to four times annually...

...she notes. Maryland's program offers 15 investment options through a variety of providers. DC **DATABASE** The following directory includes search and hire activity for the two weeks ending Wednesday, June...

...POTENTIAL Long Beach (City of), California Fund: start-up Assets (\$ mil.): 155.0 Objective: To **determine** if it should start up 401(k) plan. Status: Is reviewing plan existing 457 plan...

...mil.): 3.4 Participants: 150 Objective: To hire bundled provider for newly merged 401(k)/ **profit** - sharing **plan**. Status: Is reviewing proposals from 15 providers. Comments: See story, page 6. Morrison & Foerster, San...

...2,000 Objective: To hire bundled provider. Status: Has issued 30 RFIs but hasn't **determined** when RFPs will be disseminated. Consultant: Gary W. Blank Comments: See story, page 4. South...provider. Status: Proposals due June 26. Comments: See story, page 1. Schenectady (City of) Deferred **Compensation Plan**, New York Fund: 457 **plan** Assets (\$ mil.): 6.0 Participants: 300 Objective: To hire bundled provider to comply with new...

...Companies and Red Bank Pensions with SAFECO Asset Management. Comments: See story, page 6. **INVESTMENT PRODUCTS NEW** Lawson Software, Minneapolis, Minn. Fund: 401(k) plan Assets (\$ mil.): 27.0 Participants: 1,000...

...in process of hiring consultant to assist. Comments: See story, page 4.  
Municipal Employees Deferred **Compensation Plan**, Philadelphia, Pa. Fund:  
457 **plan** Assets (\$ mil.): 240.0 Participants: 13,000 Objective: To add  
self-directed brokerage window. Status...

...Assets (\$ mil.): 105.2 Participants: 1,100 Objective: To add more  
aggressive options. Status: Has **chosen** Warburg Pincus Asset Management's  
Emerging Growth Fund. Comments: See story, page 4. NTN USA...

...Minneapolis, Minn. Fund: 401(k) plan Assets (\$ mil.): 27.0 Participants:  
1,000 Objective: To **determine** if it should replace recordkeeper. Status:  
Expects decision within next year or two. Comments: See...

10/3,K/11 (Item 7 from file: 636)  
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03903910 Supplier Number: 50089200 (USE FORMAT 7 FOR FULLTEXT)

**NEW INSTALLS**

Information Technology Report, v5, n10, pN/A  
June 1, 1998  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 2249

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...297 beds. Contact: Denine Izzy, Information Systems Manager, (732)  
381-4200. Problem to solve: The **product** has **different** modules that  
enable you to collect more insurance information on patients, and it helps  
track...bad Did the product fulfill the vendor's sales promises? Yeah.  
That's why we **chose** it a second time [it was already installed at  
Bristol]. Were there any additional unanticipated...

...special problem. But yes, their technical support has been very good.  
What were the critical **success** factors? We had a **plan** to go paperless  
with our reporting, and the vendor does supply a graphical interface that  
...agreement that the hospital would get aggregate information so it could  
run reports off the **data base** to get information on physician practice  
patterns, things that would help with contracting and utilization...

...Yes. And they had to be. We wanted to be able to run on one **database** .  
We wanted physicians to be able to access their own **database** and only  
their own **database** . So they tailored that to our needs. And that aspect  
has been great. Also, we...

10/3,K/12 (Item 8 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03898356 Supplier Number: 50064438 (USE FORMAT 7 FOR FULLTEXT)

**-FARM SERVICE AGENCY: Risk Management Education grants**

M2 Presswire, pN/A  
June 9, 1998  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1901

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Making and Educational Needs \$243,388 The objective of this project is  
to develop the **knowledge base** to guide the design and implementation of  
effective risk management programs for agricultural producers. The project  
will **identify** the risk management objectives of diverse agricultural  
producers, investigate perceptions and understanding of risk management...

...deliver information and analytical tools to help grain farmers and agribusinesses manage their risks and **profits** for entire farms. The **project** will create and revise risk management programs for whole-farm assessment, **analyze profit** levels and cash-flow risks, create a risk management center at Iowa State University, deliver...  
...reach 500 elevator operators and 20,000 farmer customers with a standardized methodology for evaluating **new products**, with emphasis on the use of cash contracts. Educational Partners: National Grain and Feed Foundation...in Kansas. The project will establish local risk-management clubs and survey club members to **determine** risk perceptions, risk-management skill levels, and educational needs. It will plan and conduct educational...

10/3,K/13 (Item 9 from file: 636)  
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03831594 Supplier Number: 48324423 (USE FORMAT 7 FOR FULLTEXT)  
**ANOTHER NEW PDM FOR PTC**  
Computer Aided Design Report, v18, n3, pN/A  
March 1, 1998  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 2220

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...to comments made on January 15 by PTC's chairman Steve Walske to stock--market **analysts**. "Two--thirds of our **revenue** will be based on product information management applications and one--third on CAD applications. That...

...is a software toolkit that can be used to set up a completely Web--based **product** data management system. The **second** program, called ProductCenter, is a set of applications to manage design and manufacturing information built...

...s architecture, according to Heppelmann, is that it lets people find product information in diverse **databases** without requiring that the **databases** use the same data model. A data model describes how information is organized inside PDM system. Most PDM systems employ relational **databases** that organize data into tables of rows and columns. Some PDMs employ data models that...

...Others have smaller tables, but a greater variety of them. If one data model describes **product** data one way and a **second** data model describes them in another way, most PDM programs will not know that the two descriptions depict the same thing. Therefore, neither **database** will be able to exchange information effectively. Problems arise when implementing PDM because no two...

...Manager, in any other PDM system," said Heppelmann. The NetFactor system uses an object--relational **database**, such as Oracle 8, at its core. Object--relational **databases** will store data that is not managed well in traditional relational--**database** tables. So--called unstructured data, which is information that cannot be decomposed into tabular form...

...can contain data with a structure that's different from the relational tables of the **database**. Examples of large objects might include VRML images, CAD files, or video clips. Java Server The NetFactor program employs a three--tier architecture, with a **database**, a middleware server program that provides access to the **database**, and a thin--client interface. The NetFactor server software is written in Java, although the ...PTC's vision, ProductCenter will be the enterprise glue that binds together all product information **databases** in a company. According to Heppelmann, companies implementing ProductCenter may **choose** to maintain

workgroup PDMs such as Pro/Intralink to handle day--to--day information management in engineering. (The ProductCenter software can manage **databases** directly and does not require the use of other PDMs.) PTC's idea is to...

...those of the PDM system. Last but not least, NetFactor can control information on multiple **database** servers doing many simultaneous transactions. Most PDM systems are designed around a single **database** server, which means that the system slows down as more people try to use the...

...product is based on relatively immature software, including the Java programming language and object--relational **databases** that will take time to find acceptance in the market and to refine. Moreover, new...

...Oracle 8. Apparently, many early adopters of previous versions of Oracle were burned when the **database** did not operate as expected. Anyone who has used the Web knows that servers and...

10/3,K/14 (Item 10 from file: 636)  
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03626223 Supplier Number: 47809326 (USE FORMAT 7 FOR FULLTEXT)  
**ETCD: An everyday guide to the European consumer**  
European Cosmetic Markets, pN/A  
July 1, 1997  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 2902

... manufacturers themselves? What does the ETCD data have to offer them?

Consumer usage can be **successfully analysed** at an individual country level, to quantify the true competitive environment for a brand - perhaps...

...The declared attitudes held by consumers can then be referred back to the brands they **choose** to use; enabling manufacturers to build up a complete picture of the type of people using their brand(s). For example, cluster analyses can be utilised to **identify** those people favouring special offers/price promotions versus those who prefer to opt for proprietary...

...of all panel members across Europe via the questionnaire. The ultimate flexibility of the PowerView **database** means that all the variables of consumer usage can be linked directly back to the store(s) favoured by users of **different product** types and brands. In this way, ETCD data can be used on a tactical level...

10/3,K/15 (Item 11 from file: 636)  
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02902263 Supplier Number: 45901783 (USE FORMAT 7 FOR FULLTEXT)  
**CATIA PROGRESS**  
Computer Aided Design Report, v15, n11, pN/A  
Nov 1, 1995  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 2810

... a September telephone conference, Frank Lerchenmueller, director of IBM's engineering software marketing in Europe, **forecast** 27 percent **revenue** growth for 1995. Such **forecasting** is hazardous, as IBM typically books 30 to 35 percent of its annual revenue in...

...companies, CATIA is still too expensive and too hard to use compared with other software **products**. The lack of **new** opportunities in manufacturing may explain Dassault's recent **new** entries into the shipbuilding and **plant** construction industries. The largest of these firms are long-time IBM mainframe customers who might...

...in large assembly modeling, offering better interactive performance with new approaches to display and graphics **database** technologies. He also plans to emphasize ease of use in future versions. Using so-called **knowledge - based** software, Charles hopes to make CATIA more productive by automating tasks such as stress analysis...

...it won't be easy. In the recent past, mechanical design software buyers have overwhelmingly **chosen** reasonably priced software that does what they need instead of highly ornamented and expensive programs...

10/3,K/16 (Item 12 from file: 636)  
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02217841 Supplier Number: 44214050 (USE FORMAT 7 FOR FULLTEXT)  
**SEAGATE OUTLINES ITS PLANS TO DIVERSIFY INTO \$6,000m-A-YEAR COMPANY BY 1999**  
Computergram International, n2290, pN/A  
Nov 4, 1993  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 296

... needs more. In fiscal 1993 to July 2, Seagate reported sales of \$3,043m and **profits** of \$195.4m, but the **target** is \$4,000m from storage **products**, **another** \$1,000m from software and another \$1,000m from components, where it is also looking...

...them in its own drives. Last month, it bought Caltex Software Inc, a start-up **database** software developer where it had held 40% since March. It has also hired a director of software marketing to develop the Caltex strategy and to **identify** other business opportunities for Seagate. In its present core business, the Scotts Valley, California company...

10/3,K/17 (Item 13 from file: 636)  
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01450254 Supplier Number: 41952870 (USE FORMAT 7 FOR FULLTEXT)  
**NEW CANDLE DISK STORAGE MANAGER**  
Computergram International, pN/A  
March 25, 1991  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 194

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
Candle Corp's **Database** Tools Division has announced a **new** version of its DB2 disk **product** that helps manage disk storage and reclaim excess space: DB2-DASD provides a set of facilities for managing how DB2 uses disks, **identifying** wasted space, and showing which datasets need to be moved; then it **recommends** appropriate space **allocation** and **target** volumes, and provides the ability to move datasets; since DB2-DASD does not use any...

...the costing feature, Version 2 of DB2-DASD provides Space Finder which enables administrators to **determine** the best target device for moving a dataset; the macro facility enables a series of...  
?t sl3/3,k/all

13/3,K/1 (Item 1 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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any time following harvest through the following March or the following May, depending on the crop. However, most loan placements occur shortly after harvest when prices tend to be seasonally low. Farmers may repay the loan (plus interest) anytime prior to maturity and then sell the crop in the marketplace, or they can forfeit the collateral to the government as full payment when the loan matures in 9 months (10 months for cotton).

The loan program provides an effective per-unit revenue floor for farmers who put their crops under loan, with a countercyclical effect occurring once prices drop below the loan rate. For example, the national loan rate is \$2.58 per bushel for wheat. Excluding adjustments for quality and location (each county where wheat is stored has a loan rate), farmers will receive at least this per-unit amount on average for their wheat, minus interest charges.

The loan repayment rate may actually be less than the loan rate (plus interest) if the local price-called the posted county price or PCP-falls below the loan rate. (The PCP-calculated each day the federal government is open-is based on terminal market prices and a fixed differential to each county, largely reflecting transportation and other marketing factors.) When a farmer repays the loan at a lower PCP, the difference between the loan rate and the PCP is called a marketing loan gain. In addition, any accrued interest on the loan is waived when the PCP is under the county loan rate on the day the producers repays the loan.

The marketing loan repayment feature prevents a costly buildup of publicly-owned stocks that would occur if many farmers forfeited their grain to the government as repayment of loans. Without the marketing loan feature, farmers would forfeit their grain if prices did not rise to at least the loan rate during the 9-10 month loan period. Under the marketing loan program, farmers may effectively receive a net per-unit revenue equal to the loan rate.

While the loan program provides a per-unit revenue floor for producers, it does not establish a floor for market prices since commodities can enter the market at prices below the loan rate (hence the phrase "marketing loan"). A price floor in the domestic market would prevent U.S. prices from following foreign price declines, and thus could reduce international competitiveness for U.S. commodities (as was the case when loan rates were high and marketing repayment features were not available in the early 1980's).

If the PCP is below the loan rate, eligible producers may opt for a loan deficiency payment (LDP) for commodities in lieu of securing a loan. The LDP rate is the amount by which the loan rate exceeds the PCP and is calculated each day the federal government is open. (The crop cannot go under loan once an LDP is paid.) This option is attractive if the producer thinks that market prices have bottomed out and the LDP rate has reached its maximum. LDP's may also be attractive to producers because by taking the LDP and immediately selling their crop, they effectively receive a per-unit revenue equal to the loan rate, partly from the market and the rest from the government. After an LDP is accepted, the farmer can sell the crop to avoid storage expenses or hold it in the expectation of a price rally.

Loan deficiency payments are final, unlike the regular deficiency payments under the old target price/income support program. Under the old income support program, farmers were required in some instances to return all or part of their advanced deficiency payment (but not loan deficiency payments) once final payment rates were calculated, which was after the marketing season concluded.

Government Payments Increase Rapidly

As of mid-September 1998, posted county prices for corn, soybeans, oats, and barley were below loan rates in all producing regions. In addition, PCP's for all wheat classes (except durum), grain sorghum, and oil-type sunflowerseed were below county loan rates in most producing counties.

Sinking wheat prices have forced a groundswell of farmer participation in the government's loan deficiency payment and loan programs. Almost 1.2 billion bushels of the 1998 wheat crop were either under loan (230 million bushels placed) or had received an LDP (959 million bushels), together representing over almost half of 1998's estimated production of 2.56 billion bushels. As of mid-September, wheat producers had received about \$250 million under the LDP program for 1998 wheat (compared with a negligible amount in 1997), with an average loan deficiency payment of 26 cents per bushel.

Wheat accounts for the greatest proportion of overall activity so far in 1998 because it is a major crop and is harvested relatively early. For other early-harvested crops, LDP payments through mid-September were \$20.8 million for barley and \$4.1 million for oats. As the fall harvest advances, outlays for the later-harvested crops, particularly corn and soybeans, will grow and likely surpass those for wheat. With fall harvest just underway, corn LDP's totaled \$13.3 million as of mid-September. Sorghum payments were \$3.5 million, and soybean payments totaled \$681,000.

As expected, major winter wheat producing States topped the LDP list for 1998 crops, as of mid-September. Kansas ranked first with \$50 million, followed by Washington with \$23 million. North Dakota, Colorado, Montana, Oklahoma, and Idaho each tallied \$17 million. South Dakota and Texas each totaled \$14 million.

#### Loan Rates vs. Market Signals

Revenue earned by farmers in excess of variable costs is used to cover fixed costs, and any amount left over goes toward other economic costs and profit. For farmers to have a short run incentive to plant a crop, expected revenue from the crop must at least match their variable costs.

Current loan rate levels cover variable production costs for most producers. For example, about 89 percent of the U.S. wheat crop is produced at variable costs below the loan rate of \$2.58 per bushel. Comparable numbers are 94 percent for corn (loan rate is \$1.89) and 97 percent for soybeans (loan rate is \$5.26). However, farmers with variable costs above the loan rate-or those with high fixed costs such as high debt service-are clearly undergoing financial stress. The question for policymakers is whether or not the level of income support provided by the current policy tools is sufficient. A number of legislative options are currently under consideration.

Barring an unexpected runup in prices, planting incentives for many 1999 crops (including wheat, corn, and soybeans) will be sharply lower than in recent years in both the U.S. and abroad. If farmers act on these market signals, they may pull back on plantings of those crops, reducing total crop acreage or possibly shifting some land to more **profitable competing** crops. This could reduce production prospects next year for those crops with currently low prices and lead to a price upturn in the next season.

As policymakers consider options for addressing the impact of low prices, they will be weighing the impacts of these measures on the workings of supply and demand in the marketplace.

More information on nonrecourse marketing assistance loans and loan deficiency payments is available from USDA's Farm Service Agency at <http://www.fsa.usda.gov/pas/backgndrs.htm>. The latest figures on loan and

payment activity are available at <http://www.fsa.usda.gov/dafp/psd/> under online reports.

Production cost estimates are from Economic Research Service analysis of data from the Farm Costs and Returns and the Agricultural Resource Management surveys-soybeans for 1990; wheat, 1994; and corn, 1996.

#### FOOD & MARKETING

##### Rise in Food Prices in 1998 and 1999 To Be Lowest Since Early 1990's

Large supplies of meats and a low general inflation rate in 1998 are benefiting and will likely continue to benefit consumers. With 8 months of Consumer Price Index (CPI) data already collected in 1998, the annual average food CPI is 2.1 percent above the first 8 months of 1997. Food prices are forecast to increase only 2 percent in 1998 and 2-2.5 percent in 1999. Such modest increases have not been seen since 1992 and 1993, when food prices increased only 1.2 and 2.2 percent. The general inflation rate for the all-items CPI is forecast to be only 1.7 percent in 1998 and 2.5 to 3 percent in 1999.

The sluggish export market for higher-price meat products and an end to El Nino's influence on fruit and vegetable prices have also contributed to lower-than-expected retail prices in 1998. Fruits and vegetables, which account for about 15 percent of the at-home component of the food CPI, are expected to increase 4-5 percent in 1998 due to weather-related fresh vegetable price increases, but this increase is lower than originally anticipated because of an earlier-than-expected end to El Nino-related weather patterns.

In the overall food CPI for 1998, fruit and vegetable price increases are mitigated by smaller increases and even decreases in other food categories. Cereals and bakery products, 16 percent of the at-home index, are forecast to increase 2 percent. Nonalcoholic beverages, 11.2 percent of the at-home index, are forecast to fall 0.7 percent in 1998 due to the larger coffee crop. Beef, pork, and poultry prices, which account for 19 percent of the food-at-home index, are forecast to fall about 2 percent.

Food accounts for 15 percent of the all-items CPI, and is among the most volatile of the consumer goods tracked by the Federal Government. Retail food price changes are underpinned by general economic factors and the relative shares of farm and marketing costs. In recent years, food price increases have been small because of the low general inflation rate; the larger share of the food dollar going to away-from-home purchases of food and the continued decline in the farm value share of the retail price for most food items-both of which increase the share of food costs, like wages, transportation, and marketing, that are most influenced by the general economy; and increasing economies of size in the farm sector.

The CPI for food measures both food purchased for preparation at home (at-home component) and purchases of food that is prepared away from home, usually at restaurants or fast-food establishments (away-from-home component). The at-home component of the CPI, which increased 2.6 percent in 1997, is forecast to increase as little as 1.5 percent in 1998 and only an additional 1-2 percent in 1999. The away-from-home component of the CPI, which increased 2.8 percent in 1997, is forecast to increase 2.6 percent in 1998.

Because the away-from-home component includes the costs of food preparation as well as the food items themselves, wages and other business expenses play a larger role in away-from-home prices. Higher wage costs in early 1998, influenced by a tighter than usual labor market, may have caused the away-from-home component to increase more than the 2.6 percent expected based on its steady climb since the minimum wage increases in

1996 and 1997. However, away- from-home food prices were held down by lower raw material and food costs, by competition among restaurants and fast-food establishments, and by Home Meal Replacement (fully or partially prepared foods) or meal solutions offered by supermarkets. In 1999, the away-from-home CPI is expected to increase at about the same rate, between 2.5 and 3 percent.

The smaller increases expected for the at-home food CPI in 1998 and 1999-less than 2 percent-are influenced primarily by agricultural factors rather than by the performance of the general economy. Large supplies of meats and a sluggish export market for higher-price meat products is dampening meat prices; adequate supplies are keeping the prices of fresh fruits and vegetables down; increased sugar production is slowing price growth for sugar and sweets; lower grain prices are affecting the prices of cereals and bakery products; and near-record Brazilian coffee production and strong competition in the soft drink and prepared food industries are keeping down prices for nonalcoholic beverages.

Meats. Total U.S. meat production is expected to increase about 1.5 percent in 1998, following a 2.7-percent increase in 1997. Production is also forecast up slightly again in 1999. Large meat supplies- combined with currency devaluations around the world, the changing composition of the meat trade, and the need to find alternatives to sagging Asian markets-are challenging U.S. meat exports in global markets, and in some cases, making the U.S. a more attractive market for foreign exporters. Meanwhile, the large supplies and reduced prospects for exports of higher-price meat products in 1998 and 1999 are exerting downward pressure on U.S. livestock and poultry prices.

Beef and veal. Large supplies of competing meat should hold prices steady in 1998, following a 1.7-percent increase in the beef CPI in 1997. After a forecast record beef production of 25.8 billion pounds in 1998, beef production is expected to drop about 7 percent in 1999. Reduced beef production in 1999, reflecting the sharply reduced cattle inventory, will result in higher retail beef prices. The CPI for beef and veal is expected to increase close to 3 percent in 1999, as large supplies of pork and poultry hold down a larger beef and veal price increase.

The retail beef market has grown increasingly competitive as efforts by chicken and pork producers to provide larger cut sizes, improved palatability, convenient packaging, and consistency of product for both white-meat chicken and pork loins make it difficult for beef producers to raise prices. Still, per capita beef consumption on a retail weight basis will be 68 pounds this year, up from 67 pounds last year and the largest since 1989. However, consumption is expected to drop to 63 pounds per capita in 1999, while expected per capita consumption of other meats will reach 150 pounds, another 2-percent gain in share of the meat market.

Pork. Commercial pork production is expected to be about 18.8 billion pounds in 1998, up 9 percent from a year earlier. With plentiful supplies of pork and competing meats throughout 1998, pork retail prices are expected to fall almost 5 percent in 1998, following a 5.2-percent rise in 1997. Although competing beef production is expected to drop sharply next year, continued large supplies of pork and poultry will likely moderate the decline to 2-3 percent in 1999. With abundant pork and reduced beef supplies, retailers will likely favor pork over beef for featuring at supermarkets. U.S. per capita pork consumption on a retail-weight basis may reach 52 pounds in 1998, with a record 54 pounds forecast for 1999. Large U.S. pork supplies and lower wholesale prices also boosted 1998 and 1999 export forecasts. The U.S. is expected to export 1.25 billion pounds of pork in 1998, an increase of 19 percent over the previous year. The forecast for 1999 is 1.3 billion pounds. The composition of exports, however, is shifting to lower-valued products.

Poultry. The CPI for poultry may fall up to 1 percent in 1998 and fall slightly or show no change in 1999, following an increase of 2.8 percent in 1997. Broiler production is expected to increase 2 percent in 1998, following a 3.5- percent increase in 1997. Production is forecast to increase 5 percent in 1999, to 28.9 billion pounds. Turkey production is expected to decline in 1999 after 3 years of negative returns for turkey producers, with some turkey production facilities converting to chicken production.

Broiler producers are expected to remain cautious when making production decisions, as there will continue to be very large domestic meat supplies and uncertainty in the export market. U.S. poultry exports to Hong Kong are forecast to rebound in 1999 from the reduced levels of 1998, but they will likely remain below 1997. Poultry producers will face strong competition from U.S. pork exports-pork and poultry exports compete as a prime ingredient in processed products and sausage-and from foreign poultry producers.

Poultry is a cheaper source of meat protein than beef, and growth in poultry consumption has been especially strong in China, Russia, and Mexico in recent years. Even in a developed market such as the U.S., consumers are buying more poultry. Lower prices relative to red meats, the convenience of processed poultry products, and promotions of poultry products in the fast-food industry have all contributed to this trend. The fast food market has been an area of growth for U.S. poultry producers, especially for wings and skinless, boneless breast meat. Per capita broiler consumption on a retail basis will be 72.5 pounds in 1998 and could reach 76 pounds in 1999.

Other meats. The price movements of the highly processed meat items (hot dogs, bologna, sausages), and lamb and mutton, that make up this category are influenced by the general inflation rate as well as the cost of the meat inputs. Given lower meat prices and low general inflation, retail prices of these products are expected to show no change in 1998, after a 2.8-percent increase in 1997. Price increases for beef products and a higher expected inflation rate in 1999 should lead to an increase of 2-3 percent in the prices of these products in 1999.

Fish and seafood. Over the last decade, U.S. per capita seafood consumption has remained relatively flat, at around 15 pounds, roughly 2 to 3 pounds less than turkey consumption. During this time, the source of supply has begun to shift away from wild harvest toward aquaculture (AO May 1998). Larger imports of shrimp, tilapia, and salmon, along with slower growth in U.S. catfish output, should lead to an increase of 2.8 percent in the fish and seafood retail price index for 1998. In 1999, the fish and seafood CPI is forecast up 3-4 percent.

Eggs. Retail egg prices have fallen this year due to a nearly 3-percent increase in production in 1998. During the summer months, a heat-related increase in production of medium eggs and a resulting temporary shortage of large eggs did not induce any significant retail price increases.

Egg production is expected to continue increasing in 1999, but at a slower rate of 2 percent. The CPI for eggs is expected to be down 3.3 percent in 1998, with another price decrease of 2 percent in 1999. Per capita egg consumption is forecast at 242.9 eggs in 1998 and 244.5 eggs in 1999. Egg exports are expected to reach 243 million dozen in 1999, up 3 percent from 1998's forecast of 232 million dozen. Higher projected shipments to Canada and rebounding exports to Hong Kong are expected to provide most of the increase.

Dairy products. Milk production rose only about 1 percent in the first half of 1998, hampered by poor quality hay and alfalfa conditions. Declines in milk cow numbers, however, were mitigated by a continued

increase in milk per cow. Strong demand for milkfat products such as cheese and ice cream led to higher consumer prices during the spring and summer and an expected 3.5-percent increase for the dairy products CPI in 1998. With milk production forecast to increase 2-3 percent next year, retail prices for dairy products are expected to increase less in 1999, from 0 to 2 percent.

Fats and oils. The December 1997 BLS revision to the CPI item structure (AO April 1998) transferred butter from the dairy products category to the fats and oils category. As a result, the volatile movement of butter prices during the summer caused upward pressure on the CPI for fats and oils, which are expected to increase 2.6 percent in 1998, following a modest rise of 0.9 percent in 1997.

Butter and margarine are now combined into one category, comprising 31 percent of the fats and oils index. The other components of the index-vegetable oils, salad dressings, and peanut butter-are highly processed food items. Their price changes are influenced more by movement in the general inflation rate and U.S. and world supplies of oil products than by farm product input costs. The CPI for fats and oils is expected to increase 3-4 percent in 1999, reflecting expectations for the general inflation rate.

Fresh fruits. Heavy rains in February and hailstorms in late March and early April affected the 1998 production of stone fruits, especially plums and nectarines, in California- a major production region for peaches, plums, and nectarines. Additionally, a 3-day freeze in South Carolina and Georgia during the second week of March brought significant bloom damage to early peach varieties in these key producing States. Smaller peach shipments from the Southeast, coupled with delay in all stone fruit development in California, pushed up retail prices during the early part of the stone fruit season.

However, 1998 fall apple supplies are likely to be up and should keep the increase in the 1998 fruit CPI to 2.8 percent. Weather has been favorable for the Western and Central U.S., particularly in Washington, which produces about half of the Nation's apples, and in Michigan, the largest apple-producing State in the Central region. Apples account for almost 19 percent of the fresh fruit index.

In addition, citrus fruit acreage has expanded as replantings in Florida following the late-1980's freezes have begun to bear fruit. These trees, including oranges and grapefruit, will produce increasingly larger crops into the early 2000's. California has also expanded its orange production area. California's oranges are mostly for fresh use, while Florida's oranges are mainly used for juice. Citrus fruits comprise over 21 percent of the fresh fruit index. Bananas account for over 19 percent of the fresh fruit index, and supplies are ample in 1998.

U.S. demand for fresh fruit is expected to continue strong and exports are projected to rise. As a result, the fresh fruit index is expected to increase 2-4 percent in 1999, on top of an increase of 2.8 percent in 1998.

Fresh vegetables. Growing conditions were mixed in 1998 as a result of El Nino- related weather patterns. Torrential rains in Florida during the last quarter of 1997; rain and cold in the desert areas of California, Arizona, and Texas; and an unusual December 1997 freeze in west Mexico reduced fresh vegetable supplies and boosted retail prices early in 1998. Prices in the first half of the year were 14.6 percent higher than a year earlier. U.S. growers also reduced harvested area from a year earlier for some fresh-market vegetables and for potatoes as a result of lower grower prices in 1996 and 1997, contributing to shorter supplies and stronger retail prices.

Subsequent plantings of normal acreage and improved weather during the remainder of the year will mitigate much of that early price rise. However, weather-related delayed harvests are expected to lead to higher prices for potatoes, which cannot be replanted, contributing to an increase in the fresh vegetable CPI of 8 percent in 1998. With normal weather and growing conditions in 1999, supplies should become abundant again, leading to a forecast change in the fresh vegetable CPI for 1999 of no more than 2 percent.

Processed fruits and vegetables. Retail prices for processed fruits and vegetables in 1998 and 1999 are largely determined by the previous year's production and resulting supplies. Vegetable production for processing declined 8 percent in 1997, mostly due to reduced processing tomato output. Contract acreage for the five leading processing vegetables (tomatoes, sweet corn, snap beans, green peas, and cucumbers) was down 3 percent in 1997, but is expected to be up 1 percent in 1998 to 1.4 million acres.

Total supplies of canned vegetables have been down the last 2 years because of lower wholesale prices, which have discouraged processors from increasing contract acres. Although frozen vegetable supplies increased 2 percent in 1997, the resulting larger stocks led to lower wholesale prices for frozen vegetables in the first half of 1998. Although processed vegetable supplies were less in 1998, abundant supplies of processed fruits kept the CPI increase for processed fruits and vegetables to 3.8 percent for 1998. The expected increase for 1999 is 2-4 percent.

Sugar and sweets. Domestic sugar production was up 9 percent in 1997/98 because of acreage increases for sugarbeets. Although U.S. sugar consumption has grown by about 1.9 percent per year since 1985/86 and industrial use of sugar has risen, the increased production, along with a lower general inflation rate, held the 1998 sugar and sweets CPI to a 1.6-percent increase. Continued growth in sugar deliveries to the expanding bakery and breakfast cereal sector should offset or exceed the 1998/99 sugar production increase of 1 percent, leading to a 1999 CPI increase for sugar and sweets of 1-3 percent.

Cereals and bakery products. This food category accounts for a large portion of the at-home food CPI-almost 16 percent. With grain prices lower this year and inflation-related processing costs at low levels, the CPI for cereals and bakery products increased only 2 percent in 1998. Most of the costs-more than 90 percent in most cases-to produce cereal and bakery products are for processing and marketing, making grain and other farm ingredients a minor cost consideration. Competition for market share among the leading breakfast cereal manufacturers led to decreases in the cereal CPI in 1996 and 1997, with a small increase of 1 percent expected in 1998. While competition among producers and consumer demand for bakery products is expected to continue, the 1999 CPI is forecast to increase 2-4 percent due to higher inflation next year.

Nonalcoholic beverages. Coffee and carbonated beverages are the two major components of this category, accounting for 28 and 38 percent of the nonalcoholic beverage index. Competition in the soft drink industry resulting in lower consumer prices continued throughout 1998, and lower coffee prices during the last half of 1998 are due to a projected near-record coffee crop in Brazil.

The largest producer of Arabica coffee beans, Brazil's annual production has alternated between good and bad years since 1994. Coffee trees have finally recovered from the effects of a freeze in 1994, and the current crop has benefited from excellent weather for growth and maturing of the beans. The current large Brazilian crop is forcing other coffee-producing countries to cut prices, possibly leading to lower U.S. retail prices for

coffee next year. In the U.S. market, price and country of origin are important factors for coffee importers, as coffee consumers have shifted toward higher-quality coffee.

With retail coffee prices on the decline and soft drink prices lower throughout this year, the CPI for nonalcoholic beverages should fall slightly in 1998 and remain unchanged in 1999.

Other foods. Items in this category are highly processed and primarily affected by changes in the all-items CPI. These products include soups, frozen dinners, pizzas, snacks, baby food, and precooked frozen meats. Although demand for prepared products continues to increase, competition among these products and from the away-from-home food market should lead to an increase in the CPI for these foods of 2.8 percent in 1998. Continued growth in this category next year would indicate a CPI increase of 2-4 percent in 1999.

#### FARM & RURAL COMMUNITIES

##### Status Report: Hired Farm Labor in U.S. Agriculture

Labor supply remains a persistent issue for farm employers who need large amounts of nonfamily labor during particular periods of the growing season, a need complicated by the unpredictable nature of agricultural production. Hired farmworkers account for about one-third of the production workforce in U.S. agriculture-operators and their unpaid family members account for the remaining two-thirds-and labor costs range from about 4 percent of inputs on livestock operations to 45 percent for horticultural specialty farms.

The match between supply and demand for labor has always been a critical issue in agriculture. When U.S. workers are not available to meet the demand for hired farmwork, employers have traditionally looked to foreign workers for temporary relief. Currently, nonimmigrant foreign workers can be employed temporarily in agriculture under the H-2A provisions of the Immigration and Nationality Act.

Employers must meet requirements to ensure that efforts to recruit domestic labor at have been made and that employment of guestworkers will not adversely affect the wages and working conditions of domestic farmworkers in the area- employers wishing to hire workers under the H-2A program must offer domestic workers a guaranteed minimum wage and period of employment equal to the average wage, housing and transportation benefits, and employment period provided for guestworkers under H-2A requirements.

Both employers and domestic farmworker advocates have found fault with the H-2A program, however. Despite their importance to agriculture, U.S. hired farmworkers as a group experience low wages, seasonal employment, and limited participation in the nonfarm labor market, leading many in the debate to insist there is a surplus of farm labor and that no supplemental labor program is needed. Others insist that shortages frequently do occur at particular times and places, and the current supplemental labor program cannot meet those needs in a timely way.

Legislation has been introduced periodically, most often in conjunction with immigration reform, either to replace the H-2A program with a new guestworker program or to promote better options for matching domestic labor supply with demand. These efforts have increased in the last few years as stepped-up enforcement of immigration laws has led many employers to fear the loss of the current labor supply in agriculture-estimates of the share of fraudulently documented workers in the total hired farm labor force range from 25 to 75 percent.



USDA's Economic Research Service produces an annual demographic and economic profile of domestic hired farmworkers, which includes immigrant workers not hired as temporary guestworkers. The annual profile tracks trends in the hired farm workforce based on annual averages of data collected by the U.S. Census Bureau in its monthly Current Population Survey (CPS). The information provided by these annual profiles has been useful in informing policy discussions about both farm labor supply and the economic conditions of the hired farm workforce.

#### Number of Hired Farmworkers Remains Stable in 1997

Hired farmworkers include people 15 years and older who reported their primary occupation during the week of the CPS as farmworkers engaged in planting, cultivating, and harvesting crops or attending to livestock (86 percent); farm managers (8 percent); supervisors of farmworkers (4 percent); and nursery and other workers (2 percent). The annual average number of hired farmworkers employed per week in 1997 remained about the same as the previous year at just under 900,000.

The demographic profile of hired farmworkers has changed little during the 1990's. Hired farmworkers tend to be younger and less educated than the average for all wage and salary workers, and are more likely to be male, Hispanic, and noncitizens.

Demand for hired farmworkers varies by type of crop and livestock, length of growing and harvesting seasons, extent of mechanization, and scale of production. As a result, the number of hired farmworkers varies significantly by region-ranging from 370,000 in the West (41 percent of all hired farmworkers) to 57,000 in the Northeast (6 percent of all hired farmworkers). Livestock production predominates as the source of employment for hired farmworkers in the Midwest, whereas crop production-typically fruit, vegetable, and horticultural crops-predominates in the West.

The demographic characteristics of hired farmworkers also vary by region. The proportion of women in the hired farm labor force is greater in the Northeast than in other regions. Hispanics are only 3 percent of the hired farm workforce in the Midwest, compared with 17 percent in the Northeast, 35 percent in the South, and 67 percent in the West.

#### Hired Farmworker Earnings Remain Low

Hired farmworkers continued to earn significantly less than most other workers, influenced by their relatively low skill level. Full-time hired farmworkers received median weekly earnings of \$277 in 1997, 55 percent of the \$500 median weekly earnings for full-time wage and salary workers economywide. Only private household workers, at \$206, received lower median weekly earnings than hired farmworkers. Real median weekly earnings for full-time farmworkers have declined 6 percent since 1990, compared with a 1-percent increase from 1990 to 1997 for all wage and salary workers.

The number of employed farmworkers varies widely by season-from 589,000 during the survey week in January 1997 to 1,117,000 in July. The seasonality of farm employment, low weekly earnings, and limited access to additional nonfarm work combine to make hired farmwork one of the lowest paid occupational groups. Not only is income from farmwork limited, but family income of hired farmworkers from all sources (including jobs; businesses, farms, or rents; pensions, dividends, interest, and social security payments; and any other money income received by family members 15 years or older) falls significantly below that of all wage and salary workers. More than 70 percent of hired farmworker families had annual income below \$30,000 in 1997, with 23 percent below \$10,000. In contrast, only 38 percent of all wage and salary workers had family income below

\$30,000, with 15 percent below \$10,000.

#### Nonimmigrant Guestworkers Supplement U.S. Labor

In addition to these nearly 900,000 U.S. farmworkers, employers have begun hiring increasing numbers of temporary foreign farmworkers through the H-2A program. In 1997, 23,352 jobs were certified for temporary foreign guestworkers-i.e., the Department of Labor determined no domestic workers were available to fill them-up from 17,557 in 1996 and 12,173 in 1994.

H-2A workers are predominantly used in tobacco and apple production-62 percent of 1997 certifications were for tobacco and 18 percent for apples. Other work for which relatively large numbers of jobs were certified included shepherding (7 percent), custom combining (3 percent), fruits and vegetables (2 percent), and irrigation (1 percent). Other uses (6 percent) included nursery/horticulture, sugarcane, beekeeping, and machine operators.

Nine States (North Carolina, Virginia, Kentucky, New York, Connecticut, Massachusetts, Tennessee, Idaho, and Texas) accounted for 80 percent of guestworker certifications. North Carolina led in 1997 with over 6,000 jobs certified, mostly for work in tobacco and vegetables. Virginia followed with over 3,000 certifications, nearly all for tobacco and apples. Kentucky and New York each had more than 2,000 jobs certified-for tobacco in Kentucky and apples in New York. Connecticut and Massachusetts, each with about 1,000 certifications, also requested workers primarily for tobacco and apples. Texas and Idaho each received certifications for about 500 workers, primarily for jobs in custom combining and shepherding, respectively.

Despite recent increases in the use of H-2A workers, farm employers contend that the program is too cumbersome to provide needed workers in a timely manner. U.S. farmworkers and their advocates counter that the program is not needed at all, given that repeated investigations of domestic farm labor supply have found no shortage of workers available for farm work. They contend that improved wages and working conditions would attract an adequate supply of those workers when and where needed. Employers respond that many of those available workers are fraudulently documented, leaving their employers vulnerable to a sudden loss of workers through Immigration and Naturalization Service (INS) enforcement activities.

Efforts supported by farm employers to reform or replace the H-2A program during consideration of the 1996 Immigration Reform and Control Act were unsuccessful, but a provision of the legislation directed the General Accounting Office (GAO) to examine the operations of the H-2A program and report their findings and recommendations for consideration by Congress. In a December 1997 report, GAO found INS enforcement efforts unlikely to significantly reduce the number of unauthorized farmworkers, thus there appeared no likelihood of a widespread shortage of farmworkers. The report acknowledged that there might continue to be local shortages in specific crop areas. GAO concluded that the current H-2A program was sufficient to respond to such shortages.

GAO's evaluation of the H-2A process, however, suggested that processing delays and late applications interfered with the ability of farm employers to fill certified jobs with foreign workers. But GAO recommended improvements to the efficiency of the program-streamlining and better monitoring the application process-rather than replacement. Further recommendations were for new Department of Labor authorities to require wage guarantees and to enforce labor standards and contracts.

In their responses to GAO's report, both USDA and the Department of

Labor agreed that there was no national farm labor shortage at this time and that the H-2A program, with some procedural changes, was adequate. USDA emphasized the localized shortages and the difficulty of matching qualified domestic farm laborers with jobs at the times and in the places they are needed, as well as procedural problems with the H-2A program that make it cumbersome for growers, particularly the long lead time (60 days) required for certifying jobs.

Department of Labor, conversely, emphasized its interpretation that farm labor was actually in surplus, not shortage, based on such evidence as high unemployment in agricultural areas and persistent underemployment of farmworkers, as well as on the anticipated effects of new work requirements under welfare reform. Labor also agreed with GAO's assessment that INS enforcement efforts were unlikely to cause significant reductions in farm labor supply, regionally or nationally.

USDA expressed opposition to accepting a farm labor policy based on availability of an illegal labor force and noted that the original intent of the H-2A program had been to provide for a legal method of supplementing the U.S. farm labor supply with foreign workers whenever short-term, local shortages occurred. USDA pointed out that the H-2A program included safeguards to protect jobs, wages, and working conditions of domestic workers, whereas acceptance of undocumented and fraudulently documented workers in the farm labor force allowed uncontrolled competition from foreign labor that could keep wages low and working conditions poor.

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CT CE Computers and Electronics

(FILE 'HOME' ENTERED AT 09:46:57 ON 07 JUN 2002)

FILE 'USPATFULL, EUROPATFULL, INPADOC, INSPEC, USPAT2, JAPIO, NLDB,  
PATOSEP, PATOSWO' ENTERED AT 09:49:43 ON 07 JUN 2002

L1	27 S (COMPET?(2A) (PROFIT? OR EARN? OR GAIN? OR BONUS)) (P) (FARM OR
L2	7 S (((DIVERS? OR DIFFERENT OR OTHER) (2W) FARM) (2A) (PROFIT? OR EAR
L3	7 S (((DIVERS? OR DIFFERENT OR OTHER) (2W) FARM) (2A) (PROFIT? OR EAR
L4	65 S (COMPET?(2A) (FARM? OR CROP)) (P) (PROFIT? OR EARN? OR GAIN? OR
L5	65 S (COMPET?(2A) (FARM? OR CROP)) (S) (PROFIT? OR EARN? OR GAIN? OR

AN 2000:84723 NLDB  
TI Riskwise; Cut Equipment Costs To Gain Competitive Edge.  
SO Soybean Digest, (31 Mar 2000) .  
ISSN: 0038-6014.  
PB Intertec Publishing Corporation, A PRIMEDIA Co.  
DT Newsletter  
LA English  
WC 438

TX As Jack Welch, chairman and CEO of General Electric, once said, "If you don't have a competitive advantage, don't compete." It's that way in his industry as well as in yours. What's the most effective way to **gain a competitive advantage in crop** production? It's not paying a few \$ less per bushel for seed corn or per gallon for herbicide, although those costs are important. There's more opportunity to **gain a competitive advantage** by managing your machinery and equipment investment per acre.

First, how do you figure where you're starting from in investment per acre? Take your balance-sheet market value of machinery and equipment that's involved in crop production. Divide that figure by your total tillable acres, including your landlord's share if you have crop-share rental agreements.

What should this investment per acre be? Nebraska Farm Business Association data for 1998 indicates the average machinery and equipment investment per acre was \$218. It accounted for the biggest income and cost difference among farms. The top-managed farms averaged \$121/acre - a \$97 (44%) difference. Keep in mind that this difference is from average to top and not bottom to top. Those top-managed Nebraska farms earned a return on assets of 11.3%.

To figure your annual cost of ownership, take the investment per acre times 25%. That includes approximately 10% interest on your investment (either actual or opportunity cost), 10% depreciation and 5% repairs. If your equipment is new, repairs may be less than 5%, but depreciation is probably higher than 10%, so it generally evens out.

At 25%, the annual cost on the \$97 difference between top-managed and average farms in Nebraska is \$24.25/acre. In some years, that's your profit. And it's close to half the \$50 annual profit goal we put in our risk management plans for clients.

If you have any lease or rollover payments, divide them by your total tillable acres and add that figure to your annual-cost-per-acre figure. This provides your annual cost per acre for machinery and equipment.

When you begin doing the math on your operation, you can determine the impact on your bottom line if you could rent 20% more acres and not have to add to your equipment investment. It could mean an \$8-10/acre savings on all your acres, adding \$ to your bottom line.

That might not be the case if you were to double your acres, however, because then you may need another tractor, combine or other large investment that might even increase your costs. In any event, using this technique to determine your efficiency may be helpful in more effectively managing risk in your operation.

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CT AGRI Agriculture, Fishing and Tobacco; BUSN Any type of business

L1 ANSWER 14 OF 27 COPYRIGHT 2002 Gale Group

AN 1998:226689 NLDB

TI -ECONOMIC RESEARCH SERVICE: Agricultural outlook -- Part II of III.

SO M2 Presswire, (23 Sep 1998) .

PB M2 Communications

DT Newsletter

LA English

WC 7353

TX M2 PRESSWIRE-23 September 1998-ECONOMIC RESEARCH SERVICE: Agricultural outlook -- Part II of III (C)1994-98 M2 COMMUNICATIONS LTD

RDATE:220998

WORLD AG & TRADE BOX

Ag Export Rankings by State Changed Little in 1997

In fiscal 1997, California continued to be the largest exporting State and led in exports of four commodity groups-fruits, vegetables, tree nuts, and seeds. Nine of the top 10 leading agricultural export States-California, Iowa, Illinois, Nebraska, Texas, Kansas, Minnesota, Washington, and Indiana-remained the same as in 1996. However, Nebraska moved ahead of Texas and Arkansas moved up from 11th place in 1996 into 8th place in 1997, as a poor wheat crop pulled down total exports of several States, including 1996's 10th exporter, North Dakota. The top 10 leading States accounted for 58 percent of total U.S. agricultural export value, unchanged for the last 2 years. But as the total value of agricultural exports declined, exports from most of the major exporting States, with the exception of California and Arkansas, decreased in 1997.

The Economic Research Service (ERS) estimates export shares based primarily on State production shares of exported commodities. The data sources are crop and livestock production and slaughter estimates from the National Agricultural Statistics Service and merchandise export data from the Bureau of Census. The census export data are reported on a free-along-ship (f.a.s.) basis by customs district and country of destination, but no State of origin is reported in the data set. In some cases, supplemental data-such as the Census of Agriculture, 1992 and the Department of Commerce's Exports from Manufacturing Establishments: 1990 and 1991-were used to estimate export shares.

The estimated export value for each State should not be interpreted as actual measurements of a State's exports. An agricultural commodity is likely to pass through several States before being exported, and the State of origin is lost as commodities move from farmgate to port. To help compensate for this, class-specific production data are used to calculate export shares when available. For example, export figures from States in the Pacific Northwest reflect white wheat exports (the share of white wheat production that is exported is larger than for other classes of wheat). A similar procedure is used for cotton and rice. Product use data (i.e., fresh-market and processed) are employed for fruits and vegetables.

The detailed commodity breakdown by State is available on the ERS Autofax System at 202-694-5700. Request documents number 16010 (12 pages, 5 years of data for all commodity groups in all States), number 16020 (a 1-page summary of top 10 States by commodity), and number 16021 (a 1-page summary of 5 years total agricultural exports, all States).

#### POLICY

Low Prices Test 1996 Farm Act

This year's significant decline in prices for many crops has raised

questions about which policy tools are available to counteract current low prices.

In the last year, farm prices for several major crops have dropped sharply and are much lower than at any time in the recent past. The decline is due to large U.S. and foreign supplies, lackluster export demand due to weak economic performance in many foreign countries, and a strong U.S. dollar. From August 1997 to August 1998, the average farm price fell nearly a third for wheat (the lowest monthly price in 7 years) and one-fourth for corn (lowest in 10 years) and for soybeans (lowest in 4 years).

Prior to the 1996 Farm Act, farmers who participated in farm programs for major field crops received deficiency payments from the government when prices dipped below a certain level under the old target price/income support program. Deficiency payments rose when prices fell, and the intended effect was to stabilize farm income and provide some offset to declining prices.

The recent decline in crop prices likely would have led to higher 1998 income support payments under the old law than are scheduled to occur under current law. Unlike under the old law, payment rates for the new production flexibility contract (PFC) payments under the 1996 Act are fixed and not related to prevailing market conditions.

Assuming current loan rates and with USDA's September 1998 projected market prices, deficiency payment rates in 1998 for corn and wheat under the old law would have been about double the 1998 payment rates for production flexibility contracts. However, deficiency payments for corn and wheat would not have been double the actual PFC payments, largely because of lower program participation under old law. During the first 2 years of the 1996 Act when crop prices were high, actual PFC payments to farmers exceeded levels that would have occurred under old law. The 1996 Farm Act, in decoupling farm prices from program payments, intended that farmers make planting decisions according to the market conditions for particular crops.

What can help farmers get over the financial hump during this downturn in prices as the market works down its large supply?

Perhaps the most visible policy response is early disbursement of fiscal 1999 farm program payments. Under legislation signed into law in August 1998, participating farmers will have the option to receive their entire fiscal 1999 payments as early as October 1998, rather than receiving half in mid-December or mid-January and the rest by September 1999 as had been provided under the 1996 Act. Total PFC payments will amount to about \$5.65 billion for fiscal year 1999, typically representing about 10 percent of farm net cash income. Shifting a portion of these payments to earlier in the fiscal year under the new legislation will inject cash into farmers' bank accounts at a time when market prices are low.

Two other key policy tools are nonrecourse marketing assistance loans and loan deficiency payments (LDP). These farm programs, which predate the 1996 Act, provide a countercyclical policy response when prices decline. Farmers are taking advantage of these programs, and money is flowing into the agricultural sector.

#### Loans & LDP's Shore Up Contract Payments

Nonrecourse marketing assistance loans provide interim financing to eligible producers of wheat, corn, grain sorghum, barley, oats, soybeans, minor oilseeds, rice, upland cotton, and extra-long staple cotton. Instead of selling the crop, farmers pledge the crop as collateral and use the loan proceeds to cover short-term cash needs. Loans may be taken out at

File 10:AGRICOLA 70-2002/May

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?ds

Set	Items	Description
S1	4245	(INTERCROPP? OR CROP?) (5N) (FORECAST? OR ANALY? OR ESTIMAT?)
S2	24	S1(10N) (DATABASE? OR SOFTWARE?)
S3	24	S2 NOT PY=>2001
S4	24	RD (unique items)
?		



4/5/1

DIALOG(R)File 10:AGRICOLA

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3894088 11098101 Holding Library: AGL

**GIS application in cropping system analysis case studies in Asia : proceedings of the International Workshop on Harmonization of Databases for GIS Analysis of Cropping Systems in the Asia Region : 18-29 August 1997, ICRISAT, Patancheru, India / edited by S. Pande ... [et al.]**

Pande, S.

International Workshop on Harmonization of Databases for GIS Analysis of Cropping Systems in the Asia Region (1997 : ICRISAT)

Proceedings of the International Workshop on Harmonization of Databases for GIS Analysis of Cropping Systems in the Asia Region

Patancheru, Andhra Pradesh, India : ICRISAT, 2000.

91 p. : ill. (some col.), col. maps ; 24 cm.

ISBN: 9290664231

DNAL CALL NO: S602.5 .I58 1997

Language: English

Includes bibliographical references.

Place of Publication: India

Subfile: OTHER FOREIGN;

Document Type: Monograph; Bibliographies

DESCRIPTORS: Cropping systems; Geographic information systems;

Section Headings: J700 SOIL CULTIVATION; B100 GEOGRAPHY

4/5/2

DIALOG(R)File 10:AGRICOLA

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3848759 22057086 Holding Library: AGL

**Development of a crop knowledge base for Europe**

Russell, G. Muetzelfeldt, R.I.; Taylor, K.; Terres, J.M.

University of Edinburgh, Edinburgh, UK.

Amsterdam, The Netherlands : Elsevier Science B.V.

European journal of agronomy : the journal of the European Society for Agronomy. Nov 1999. v. 11 (3/4) p. 187-206.

ISSN: 1161-0301

DNAL CALL NO: SB13.E97

Language: English

Includes references

Place of Publication: Netherlands

Subfile: IND; OTHER FOREIGN;

Document Type: Article

This paper describes the development of a Crop Knowledge Base System for use in **crop** modelling and yield **forecasting**. The inherent limitations of **databases** can cause problems for dealing effectively with geo-referenced data sets. The system described here includes all the normal database operations but also handles richer types of data. Values of queried attributes can be deduced through the use of heritability within hierarchies and by the application of rules that summarise sets of empirical observations. The system is able to reason about similar locations, so that where no information exists in the knowledge base for a particular location, then an alternative location, subject to similar meteorological and agricultural conditions, will be sought.

DESCRIPTORS: crops; knowledge; databases; yield forecasting; phenology; simulation models; crop yield; geographical variation; computer techniques; decision making; maps; meteorological factors; evaluation;

Geographic Location: europe - cabt

Section Headings: X200 DOCUMENTATION; F100 PLANT PRODUCTION-GENERAL

4/5/3

DIALOG(R)File 10:AGRICOLA

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3802475 22022619 Holding Library: AGL

#### Using GIS to check co-ordinates of genebank accessions

Hijmans, R.J. Schreuder, M.; Cruz, J. de la.; Guarino, L.

International Potato Center, Lima, Peru.

Dordrecht, The Netherlands : Kluwer Academic Publishers, c1992-

Genetic resources and crop evolution. June 1999. v. 46 (3) p. 291-296.

ISSN: 0925-9864

DNAL CALL NO: SB123.3.G46

Language: English

Includes references

Place of Publication: Netherlands

Subfile: IND; OTHER FOREIGN;

Document Type: Article

The geographic co-ordinates of the locations where germplasm accessions have been collected are usually documented in genebank databases. However, the co-ordinate data are often incomplete and may contain errors. This paper describes procedures to check for errors, to determine the cause of these errors and to assign new co-ordinates, using Geographical Information Systems (GIS). These procedures can assist in improving the quality of genebank **databases**, and with that, increase the capability for **analysis** and use of **crop** genetic diversity.

DESCRIPTORS: plant genetic resources; geographical information systems; provenance; databases; errors; data processing; germplasm; gene banks; genetic diversity; collecting missions;

Section Headings: F200 PLANT BREEDING

4/5/4

DIALOG(R) File 10:AGRICOLA

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3472783 20479448 Holding Library: AGL

#### **Water-yield relationships for irrigated and dryland wheat in the U.S. southern plains**

Musick, J.T. Jones, O.R.; Stewart, B.A.; Dusek, D.A.

USDA, ARS, Conservation and Production Res. Lab., Bushland, TX.

Madison, Wis. : American Society of Agronomy, [1949-

Agronomy journal. Nov/Dec 1994. v. 86 (6) p. 980-986.

ISSN: 0002-1962 CODEN: AGJOAT

DNAL CALL NO: 4 AM34P

Language: English

Includes references

Place of Publication: Wisconsin

Subfile: IND; OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76); AR-SPA;

Document Type: Article

A climate with high evaporative demand and limited precipitation restrict yields of winter wheat (*Triticum aestivum* L.) grown in the semiarid US. southern High Plains. Stress effects can be avoided or minimized by management practices that increase soil water storage at planting or by application of irrigation water. We **analyzed** a **m crop**-year **database** of irrigated and dryland wheat data from Bushland, TX, to develop relationships that define the grain yield and water-use efficiency (WUE) response to a wide range in seasonal evapotranspiration (ET) associated with water deficits and to evaluate yield response to stored soil water at planting. The ET-grain yield relationship was determined as linear, with a regression slope of 1.22 kg grain per m<sup>3</sup> ET above the ET threshold of 208 mm required to initiate grain yield. Maximum yields (>7.0 Mg ha<sup>-1</sup>) required 650 to 800 mm seasonal ET. Maximum yields observed in the combined database were 2.8 and 8.2 Mg ha<sup>-1</sup> for dryland and irrigated wheat, respectively. The linear regression response of grain yield to soil water stored at planting, 1.57 kg m<sup>-3</sup>, was significantly higher than the yield response to seasonal ET. Largely similar WUE values occurred over a wide range of seasonal ET within irrigated and dryland data sets; however, WUE values for irrigated wheat averaged about double the values for dryland wheat. A curvilinear relationship determined between WUE and yield emphasizes the importance of obtaining high yields for efficient water use.

DESCRIPTORS: *triticum aestivum*; irrigated conditions; dry conditions; semiarid climate; water use efficiency; water deficit; water stress; evapotranspiration; crop yield; grain; dry farming; available water; soil

water content; clay soils; water management;

Geographic Location: texas - cabt

Section Headings: F120 PLANT PRODUCTION-FIELD CROPS; P210 DRAINAGE AND IRRIGATION; F600 PLANT PHYSIOLOGY AND BIOCHEMISTRY

4/5/5

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

3351616 20379061 Holding Library: AGL

**GENCALC: software to facilitate the use of crop models for analyzing field experiments**

Hunt, L.A. Pararajasingham, S.; Jones, J.W.; Hoogenboom, G.; Imamura, D.T.; Ogoshi, R.M.

Madison, Wis. : American Society of Agronomy, [1949-

Agronomy journal. Sept/Oct 1993. v. 85 (5) p. 1090-1094.

ISSN: 0002-1962 CODEN: AGJOAT

DNAL CALL NO: 4 AM34P

Language: English

Includes references

Place of Publication: Wisconsin

Subfile: IND; OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Article

A number of crop simulation models use as model inputs certain coefficients that account for differences among cultivars. These coefficients, often referred to as genotype coefficients, allow the models to simulate performance of diverse genotypes under different soil, weather, and management conditions. The models therefore can potentially be used to resolve the genotype X environment interaction into underlying coefficients. GENCALC (Genotype Coefficient Calculator) is a software package that facilitates the calculation of these coefficients for use in existing crop models. In GENCALC, the coefficients for a genotype are estimated iteratively by running the appropriate crop model with model input data and approximate coefficients, comparing the model output with actual data, and then altering the coefficients until the simulated and measured values match. The coefficients are determined in a specified sequence, starting with those that relate to developmental aspects. GENCALC also allows for calculation of averages (+/- SD) for the coefficients determined from specific experiments. This facilitates the selection of coefficients with the lowest variability, which can then be stored in crop-specific database files. GENCALC comprises several programs and requires additional models and model input files, so a hard disk with approximately 2 Mb free space is required. GENCALC will run on any IBM or IBM-compatible computer with DOS version 3.0 or later.

DESCRIPTORS: crops; cultivars; simulation models; varietal reactions; genotype environment interaction; computer software; genotypes; computer simulation; phenology; growth models; data analysis; field experimentation;

Identifiers: genotype coefficient calculator

Section Headings: F200 PLANT BREEDING

4/5/6

DIALOG(R)File 10:AGRICOLA

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3213566 92057173 Holding Library: AGL

**SUNLIGHT, a program to calculate sunshine duration parameters for evapotranspiration models**

Troyo-Diequez, E.

Centro de Investigaciones Biologicas de Baja California Sur, Baha California Sur, Mexico

Madison, Wis. : American Society of Agronomy.

Agronomy journal. May/June 1992. v. 84 (3) p. 542-545.

ISSN: 0002-1962 CODEN: AGJOAT

DNAL CALL NO: 4 AM34P

Language: English

Includes references.

Subfile: OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Article

The program, SUNLIGHT, was designed and developed to determine the theoretical sunshine duration and related parameters needed to **estimate** evapotranspiration of **crops** by means of solar radiation equations. The **software** was written in Gw-Basic Version 2.02 to be used in a PC-DOS compatible environment. Inputs required are the latitude of the site, in degrees and a selected period of time. Outputs are (i) mean solar declination for the period, (ii) mean value of the cosin magnitude of the sun declination parameter, (iii) average sunshine duration in light-hours per day, (iv) parameter percent of the number of light-hours per day related to annual total, (v) sunshine duration expressed as the total number of light-hours for the given period, and (vi) percent of light-hours for the study period related to the annual total.

DESCRIPTORS: sunshine hours; solar radiation; computer software; evapotranspiration; calculation;

Section Headings: B200 METEOROLOGY AND CLIMATOLOGY; F600 PLANT PHYSIOLOGY AND BIOCHEMISTRY; X200 DOCUMENTATION

4/5/7

DIALOG(R)File 10:AGRICOLA

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3086436 91021937 Holding Library: AGL

**Optimizing resource allocation for greenhouse potted plant production**

Fang, W. Ting, K.C.; Giacomelli, G.A.

Rutgers University-Cook College, New Brunswick

St. Joseph, Mich. : American Society of Agricultural Engineers.

Transactions of the ASAE. July/Aug 1990. v. 33 (4) p. 1377-1382.

ISSN: 0001-2351 CODEN: TAAEA

DNAL CALL NO: 290.9 AM32T

Language: English

Includes references.

Subfile: OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Article

A procedure for studying the profitability of greenhouse potted plant production systems subject to resource constraints was developed. The constrained condition and resources were the crop production schedule, greenhouse space, labor, and budget. A database containing the information for determining the required resources and operating costs for growing various crops was established. The **database** also provides the **estimated** revenue from sales of the **crops**, on a per pot basis. An algorithm was developed to determine first the feasibility of a given production plan and then determine the quantities of crops to be grown in order to yield an optimum profit. The result of this algorithm may serve to optimize allocation of resources for year-round production. The algorithm along with the crop database was incorporated into a user-friendly micro-computer program.

DESCRIPTORS: crop production; pot plants; greenhouse culture; resource allocation; computer software;

Section Headings: F100 PLANT PRODUCTION-GENERAL; X200 DOCUMENTATION

4/5/8

DIALOG(R)File 10:AGRICOLA

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3055731 91007598 Holding Library: AGL

**Economic evaluation of regional greenhouse development intermediate research report**

Haberman, C. Szeskin, A.L.; Segal, Y.

Ministry of Agriculture, Tel Aviv, Israel

Wageningen : International Society for Horticultural Science.

Acta horticultrae. 1989. v. 245 p. 590-592.

ISSN: 0567-7572 CODEN: AHORA

DNAL CALL NO: 80 AC82

Language: English

Paper presented at the "Symposium on Engineering and Economic Aspects of Energy Saving in Protected Cultivation," September 4-8, 1988, Cambridge, United Kingdom.

Subfile: ENE (ENERGY IN AGRICULTURE:EXPANDED); OTHER FOREIGN;

Document Type: Article

DESCRIPTORS: greenhouses; energy resources; heating; technology; greenhouse crops; building construction; cost benefit analysis; models; computer software;

Geographic Location: israel

Section Headings: P130 ALTERNATIVE SOURCES OF ENERGY; N100 STRUCTURES AND STRUCTURAL EQUIPMENT; E200 FARM ORGANIZATION AND MANAGEMENT

4/5/9

DIALOG(R)File 10:AGRICOLA

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3041340 90060882 Holding Library: AGL

**The IBSNAT project and agricultural experimentation in developing countries**

Harrison, S.R. Thornton, P.K.; Dent, J.B.

Edinburgh School of Agriculture, Edinburgh, Scotland

Cambridge : Cambridge University Press.

Experimental agriculture. Oct 1990. v. 26 (4) p. 369-380.

ISSN: 0014-4797 CODEN: EXAGA

DNAL CALL NO: 10 EX72

Language: English Summary Language: Spanish

Includes references.

Subfile: OTHER FOREIGN;

Document Type: Article

DESCRIPTORS: technology transfer; farming systems research; field experimentation; cost analysis; crops; databases; decision making; simulation models; subtropics; tropics;

Identifiers: international benchmark sites network for agrotechnology transfer (ibsnat)

Section Headings: A500 RESEARCH; E200 FARM ORGANIZATION AND MANAGEMENT; X200 DOCUMENTATION

4/5/10

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

3039829 90059369 Holding Library: AGL

**A computerized spreadsheet program for estimating costs and returns of selected field-grown nursery stock**

Johnson, L.A. Tilt, K.M.

University of Tennessee, Knoxville, TN

Washington, D.C. : Horticultural Research Institute.

Journal of environmental horticulture. June 1990. v. 8 (2) p. 49-52.

ISSN: 0738-2898

DNAL CALL NO: SB1.J66

Language: English

Includes references.

Subfile: OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Article

DESCRIPTORS: christmas trees; planting stock; crop production; nurseries; budgets; cost analysis; production costs; profitability; computer software;

Identifiers: enterprise budget worksheets for nursery stock

Section Headings: E200 FARM ORGANIZATION AND MANAGEMENT; X200 DOCUMENTATION

4/5/11

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

3037818 90053327 Holding Library: AGL

**Wind profile parameter estimation using MathCAD**

Howell, T.A.

USDA, ARS, Conserv. & Prod. Res. Lab., Bushland, TX

Madison, Wis. : American Society of Agronomy.

Agronomy journal. Sept/Oct 1990. v. 82 (5) p. 1027-1030.

ISSN: 0002-1962 CODEN: AGJOAT

DNAL CALL NO: 4 AM34P

Language: English

Includes references.

Subfile: OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Article

Wind profile parameters are required to estimate aerodynamic boundary layer resistances for heat, water vapor, and momentum transfer. Traditional methods used to compute these parameters take time to program, are slow to reach solutions, and often fail to achieve solution convergence. This study evaluated the applicability of a commercial mathematics software package, MathCAD, to estimate the three parameters--friction velocity ( $U$ ), zero-plane displacement height ( $d$ ), and the roughness length,  $Z_0$ --of the adiabatic log-law wind profile. The solutions were evaluated and compared to previous published solutions for several wind profiles using traditional methods. MathCAD was found to solve the wind profiles rapidly without convergence difficulty on the tested profiles. In all the comparisons, MathCAD produced almost exact duplications of previously published results. The ease, speed, and accuracy of the solution method employed in MathCAD appear to be superior to the more traditional methods.

DESCRIPTORS: computer **software** ; **crops** ; energy balance; **estimation** ; wind; environmental factors;

Section Headings: X200 DOCUMENTATION

4/5/12

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2973340 90021228 Holding Library: AGL

**Progressive validation of Queensland horticultural crop forecasts**

Mayer, D.G. Schoorl, D.; Holt, J.E.

Department of Primary Industries, Queensland, Australia

Essex : Elsevier Applied Science Publishers.

Agricultural systems. 1989. v. 29 (2) p. 179-187.

ISSN: 0308-521X

DNAL CALL NO: HD1.A3

Language: English

Includes references.

Subfile: OTHER FOREIGN;

Document Type: Article

DESCRIPTORS: horticultural **crops** ; supply balance; **forecasts** ; plant production; throughput; computer **software** ; validity;

Geographic Location: Queensland

Section Headings: E130 ECONOMICS OF AGRICULTURAL PRODUCTION; X100 MATHEMATICS AND STATISTICS

4/5/13

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2957500 89057490 Holding Library: AGL

**Total farm machinery cost analysis with dbase III and clipper**

Sowell, R.S. Bennett, T.B.; Donahue, D.W.; Beasley, E.O.; Crohn, D.M.

St. Joseph, Mich. : The Society.

American Society of Agricultural Engineers (Microfiche collection). 1988. (fiche no. 88-1055) 22 p.

DNAL CALL NO: FICHE S-72

Language: English

Paper presented at the 1988 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society

of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices.

Includes references.

Subfile: OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Article

DESCRIPTORS: cost **analysis** ; farm machinery; **crops** ; microcomputers ; **databases** ; computer **software** ;

Section Headings: X200 DOCUMENTATION; E130 ECONOMICS OF AGRICULTURAL PRODUCTION; N200 FARM EQUIPMENT

4/5/14

DIALOG(R)File 10:AGRICOLA

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2944713 89057208 Holding Library: AGL

**The agricultural risk management simulator microcomputer program**

King, R.P. Black, J.R.; Benson, F.J.; Pavkov, P.A.

University of Minnesota

Experiment, Ga. : The Association.

Southern journal of agricultural economics - Southern Agricultural Economics Association. Dec 1988. v. 20 (2) p. 165-171.

ISSN: 0081-3052

DNAL CALL NO: HD101.S6

Language: English

Includes references.

Subfile: OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Article

The Agricultural Risk Management Simulator (ARMS) is a microcomputer program designed to help users evaluate strategies for managing yield and price risk in crop farming operations. Risk management strategies are defined by choices regarding crop mix, the purchase of multiple peril crop insurance, and the use of forward contracting. Probabilistic budgeting is used to determine the net cash flow probability distribution for each strategy considered. Flexibility with regard to both sources of probabilistic information and the form of yield and price probability distributions is a noteworthy feature of the program.

DESCRIPTORS: farm management; crop yield; prices; risks; simulation models; computer **software** ; probabilistic models; crop mixtures; **crop** insurance; forward trading; cash flow **analysis** ;

Identifiers: arms (computer software)

Geographic Location: usa

Section Headings: E200 FARM ORGANIZATION AND MANAGEMENT; X200 DOCUMENTATION

4/5/15

DIALOG(R)File 10:AGRICOLA

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2892313 89907758 Holding Library: ONU; AGL

**Agri/Stats I**

Agri/Stats 1 Agri/Stats one

Hopkins Technology (Firm).

Hopkins, MN : Hopkins Technology, 1988.

1 computer laser optical disk ; 4 3/4 in. + user's manual.

DNAL CALL NO: Z699.5.A5A395

Language: N/A

Title from title screen.; Contains 8 **databases** : County **estimates** - **crops** , Grain stocks, **Crop estimates** , County **estimates** -livestock, Hog and pig estimates, Cattle on feed, Cattle inventory, Corn production-42 African countries.; "10/88" -- disk label.

Place of Publication: Minnesota

Subfile: SDC; OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Monograph

DESCRIPTORS: Agriculture; Statistics; Agriculture; Statistics; Data bases;

4/5/16

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2684229 87044343 Holding Library: AGL

**Retooling on the tools of applied risk analysis. 2. Basic probability concepts and the relationships to agricultural data**

Skees, J.R.

Madison : Produced at the University of Wisconsin, 1984.

Realizing your potential as an agricultural economist in extension : proceedings of the American Agricultural Economics Association Extension Workshop, Aug 3-4, 1984, Cornell Univ., Ithaca, NY / editor, Gerald R. Campbell. p. 187-211.

DNAL CALL NO: S544.A45 1984

Language: English

Includes statistical data.

Includes references.

Subfile: OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Article; Statistics

DESCRIPTORS: **crop** yield; probability **analysis** ; risks; producer prices; regression analysis; computer **software** ;

Geographic Location: michigan; minnesota; kansas; kentucky

Section Headings: E200 FARM ORGANIZATION AND MANAGEMENT; X200 DOCUMENTATION

4/5/17

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2659739 87033016 Holding Library: AZUA; AGL

**The potential economic benefits of gantries for leaf vegetable production**

Tillett, N.D. Audsley, E.

London : Academic Press.

Journal of agricultural engineering research. Jan 1987. v. 36 (1) p. 31-44.

ISSN: 0021-8634 CODEN: JAERA

DNAL CALL NO: 58.8 J82

Language: English

Includes references.

Subfile: OTHER FOREIGN;

Document Type: Article

DESCRIPTORS: vegetables; **crop** production; gantries; cost benefit **analysis** ; economic evaluation; row spacing; fertilizer application; computer **software** ; models; linear programming; market prices;

Section Headings: J200 SOIL CHEMISTRY AND PHYSICS; F110 PLANT PRODUCTION-HORTICULTURAL CROPS; X200 DOCUMENTATION

4/5/18

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2659084 87030103 Holding Library: AZUA; AGL

**How expert systems can improve crop production**

Palmer, R.G.

St. Joseph, Mich. : American Society of Agricultural Engineers.

Agricultural engineering. Sept/Oct 1986. v. 67 (6) p. 28-29.

ISSN: 0002-1458 CODEN: AGENA

DNAL CALL NO: 58.8 AG83

Language: English

Subfile: OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Article

DESCRIPTORS: crop production; computer **software** ; decision making; problem **analysis** ; **crop** management;



Section Headings: E200 FARM ORGANIZATION AND MANAGEMENT; X200 DOCUMENTATION

4/5/19

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2630057 87010171 Holding Library: AZUA; AGL

**Economically optimal maize cultivar selection under conditions of risk**

Van Zyl, J. Groenewald, J.A.

Pretoria : South Africa. Dept. of Agricultural Economics and Marketing.

Agrekon. Feb 1986. v. 25 (1) p. 10-19.

ISSN: 0002-113X CODEN: ARKNA

DNAL CALL NO: 281.8 AG835

Language: English

Includes references.

Subfile: OTHER FOREIGN;

Document Type: Article

DESCRIPTORS: zea mays; cultivars; selection methods; risks; gross margins **analysis** ; **crop** yield; yield losses; environmental factors; decision making; computer **software** ; simulation models; inflation; farm management;

Identifiers: motad

Geographic Location: south africa

Section Headings: F200 PLANT BREEDING; E200 FARM ORGANIZATION AND MANAGEMENT; X200 DOCUMENTATION

4/5/20

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2608463 86075214 Holding Library: AGL

**When Comax speaks, farmers listen**

Comis, D.

Washington, D.C. : The Administration.

Agricultural research - U.S. Department of Agriculture, Agricultural Research Service. Sept 1986. v. 34 (8) p. 6-10. ill.

ISSN: 0002-161X CODEN: AGREA

DNAL CALL NO: 1.98 AG84

Language: English

Subfile: USDA (US DEPT. AGR);

Document Type: Article

DESCRIPTORS: gossypium; boll; maturation; **crop** production; prediction; yield **forecasting** ; computer **software** ; computer simulation; usda;

Geographic Location: usa

Section Headings: F120 PLANT PRODUCTION-FIELD CROPS; X200 DOCUMENTATION

4/5/21

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2585582 86057295 Holding Library: AGL

**WISPLAN computer applications in crop and pest management**

Stevenson, W.R. Binning, L.K.; Curwen, D.; Mahr, D.L.; Wyman, J.A.

Madison, Wis. : The Institute, [1983?].

Computer applications for the management of horticultural crops : October 31-November 3, 1983, University of Minnesota : a workshop / sponsored by the North Central Computer Institute. p. 67-80.

DNAL CALL NO: S494.5.I47C63 1983

Language: English

Subfile: OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Article

DESCRIPTORS: **crop** production; plant diseases; **forecasting** ; pest control; information services; computer **software** ; computer

applications;

Section Headings: F100 PLANT PRODUCTION-GENERAL; F800 PLANT PROTECTION;  
X200 DOCUMENTATION

4/5/22

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2574021 86047355 Holding Library: AGL

**Use of a generalized linear model to evaluate range forage production estimates**

Mitchell, J.E. Joyce, L.A.

New York : Springer International.

Environmental management. May 1986. v. 10 (3) p. 403-411.

ISSN: 0364-152X CODEN: EMNGD

DNAL CALL NO: HC79.E5E5

Language: English

Includes references.

Subfile: OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Article

DESCRIPTORS: range management; linear models; forage **crops** ; plant community **analysis** ; **crop** production; land use planning; correlated responses; **databases** ;

Section Headings: E110 LAND ECONOMICS; X100 MATHEMATICS AND STATISTICS;  
P300 LAND RESOURCES

4/5/23

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2547485 86026695 Holding Library: AGL

**Crop insurance analyzer: a spreadsheet view of Federal Crop Insurance**

Lay, W.D.

Columbia, Mo. : AgriComp.

AgriComp. Jan/Feb 1985. v. 3 (4) p. 36-40.

ISSN: 0738-5978

DNAL CALL NO: TK7885.A1A4

Language: English

Subfile: OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Article

DESCRIPTORS: crop insurance; information services; **crop** production; economic **analysis** ; computer **software** ;

Identifiers: spread sheets

Geographic Location: usa

Section Headings: E200 FARM ORGANIZATION AND MANAGEMENT; X200 DOCUMENTATION

4/5/24

DIALOG(R)File 10:AGRICOLA

(c) format only 2002 The Dialog Corporation. All rts. reserv.

2478142 85051877 Holding Library: AGL

**Calibration transfer between near infrared reflectance spectrophotometers**

Shenk, J.S. Westerhaus, M.O.; Templeton, W.C. Jr.

Madison, Wis. : Crop Science Society of America.

Crop science. Jan 1985. v. 25 (1) p. 159-161.

ISSN: 0011-183X CODEN: CRPSAY

DNAL CALL NO: 64.8 C883

Language: English

Includes references.

Subfile: OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76);

Document Type: Article

DESCRIPTORS: forage **crops** ; chemical **analysis** ; feed industry; calibration; infrared spectrophotometry; computer **software** ;

Section Headings: R300 FEED COMPOSITION; X100 MATHEMATICS AND

•File 2:INSPEC 1969-2002/May W4  
 (c) 2002 Institution of Electrical Engineers  
 File 35:Dissertation Abs Online 1861-2002/May  
 (c) 2002 ProQuest Info&Learning  
 File 65:Inside Conferences 1993-2002/May W4  
 (c) 2002 BLDSC all rts. reserv.  
 File 77:Conference Papers Index 1973-2002/Mar  
 (c) 2002 Cambridge Sci Abs  
 File 99:Wilson Appl. Sci & Tech Abs 1983-2002/Apr  
 (c) 2002 The HW Wilson Co.  
 File 233:Internet & Personal Comp. Abs. 1981-2002/May  
 (c) 2002 Info. Today Inc.  
 File 583:Gale Group Globalbase(TM) 1986-2002/May 29  
 (c) 2002 The Gale Group  
 File 474:New York Times Abs 1969-2002/May 29  
 (c) 2002 The New York Times  
 File 475:Wall Street Journal Abs 1973-2002/May 29  
 (c) 2002 The New York Times

?ds

Set	Items	Description
S1	2535970	FARM? OR PHARM? ? OR PHARMING? OR FIELD? ? OR AGRICULTUR? - OR GRANG? OR HOMESTEAD? OR PLANTATION? OR HACIENDA? OR AREA? ? OR LAND? ? OR TRACT? OR REAL() ESTATE OR ÁCRE? OR RANCH? OR H- ECTARE?
S2	5853339	S1 OR CROP? ? OR TYPE? OR PLANT? OR MONEYCROP? OR (CROP? OR PRODUCT? ?) (1W) INTEREST? OR HARVEST? ? OR PRODUCE OR PRODUCT? OR AGRIBUSINESS? OR SPECIES? OR GREENHOUSE? OR AGROFORESTY?
S3	580129	S2(5N) (NEW? ? OR SECOND OR 2ND OR ADDITIONAL OR ALTERNATIV- E? OR DIFFERENT? OR SUPPLEMENT? OR EXTRA? OR ANOTHER? OR AUGM- ENT? OR ADDED OR BACK()UP?)
S4	5758388	ANALYS? OR ANALYZ? OR FORECAST? OR ESTIMAT? OR PLAN OR PLA- NNED OR PLANNING OR CALCULAT? OR PICK? OR RECOMMEND? OR EVALU- AT? OR TARGET? OR PROJECT?
S5	98907	S4(5N) (PROFIT? ? OR EARNING? OR RETURN? ? OR SUCCESS? OR L- UCRATIVE? OR MONEY()MAKER? OR COMPENSATION? OR DIVIDEND? OR I- NCOME? OR PERCENTAGE? OR PROCEEDS OR RECEIVABLE? OR REVENUE? - OR ALLOCATION? OR MPF OR MOST() PROFITABLE() FARM?)
S6	4549	S3 AND S5
S7	1186	S6 AND (IDENTIF? OR DETERMIN? OR DEFINE? SELECT? OR CHOSE? OR CHOOS?)
S8	92	S7 AND (VEGETABLE? OR FRUIT? OR CORN? OR CEREAL? OR GINSEN- G? OR HERB? ? OR TOBACCO? OR GRAIN? OR CULTIVAR? OR LEGUME? OR SOYBEAN? OR OATS OR BARLEY? OR WHEAT?)
S9	90	RD (unique items)
S10	89	S9 NOT PY=>2001
S11	5	S10 AND (DATABASE? OR DATA() (BASE? OR FILE?) OR DATABANK? - OR DATA()BANK? OR KNOWLEDGEBASE? OR KNOWLEDGE()BASE? OR (EXPE- RT OR SMART) ()SYSTEM? OR RDBM OR DBMS OR RDB OR DB OR DBS OR - OODB OR ODBC)
S12	468	S3(5N)S5
S13	97	S12 AND (IDENTIF? OR DETERMIN? OR DEFINE? SELECT? OR CHOSE? OR CHOOS?)
S14	12	S13 AND (VEGETABLE? OR FRUIT? OR CORN? OR CEREAL? OR GINSE- NG? OR HERB? ? OR TOBACCO? OR GRAIN? OR CULTIVAR? OR LEGUME? - OR SOYBEAN? OR OATS OR BARLEY? OR WHEAT?)
S15	12	S14 NOT S11
S16	12	S15 NOT PY=>2001

11/3,K/1 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2002 Institution of Electrical Engineers. All rts. reserv.

03711886 INSPEC Abstract Number: B90064831

**Title: Calibration of polarimetric radar images using only image parameters and trihedral corner reflector responses**

Author(s): van Zyl, J.J.

Author Affiliation: California Inst. of Technol., Pasadena, CA, USA

Journal: IEEE Transactions on Geoscience and Remote Sensing vol.28,  
no.3 p.337-48

Publication Date: May 1990 Country of Publication: USA

CODEN: IGRSD2 ISSN: 0196-2892

U.S. Copyright Clearance Center Code: 0196-2892/90/0500-0337\$01.00

Language: English

Subfile: B

**Title: Calibration of polarimetric radar images using only image parameters and trihedral corner reflector responses**

Abstract: A technique that uses the radar **return** from natural **targets** and at least one trihedral **corner** reflector to calibrate compressed polarimetric radar data is described. Calibration for relative amplitude, relative phase...

... and receiver, the true Stokes matrix for each pixel in an image can be accurately **determined** by this approach. The method is illustrated by estimating the crosstalk parameters of the NASA/JPL aircraft for **different types** of terrain and for two frequencies. For the C-band system, the crosstalk is less than -20 **dB** for all ranges in the images. The crosstalk of the L-band system is a function of range, however, and may be as poor as -10 **dB** in the near range, leading to a noticeable distortion of the polarization signatures.

...Identifiers: trihedral **corner** reflector responses...

11/3,K/2 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01711973 ORDER NO: AADAA-I9946339

**Weed distribution relative to soil factors, remote sensing, and expert system economic analysis**

Author: Medlin, Case Rae

Degree: Ph.D.

Year: 1999

Corporate Source/Institution: Mississippi State University (0132)

Source: VOLUME 60/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 4314. 101 PAGES

**Weed distribution relative to soil factors, remote sensing, and expert system economic analysis**

...and to construct weed prediction models based on those relationships. The second objective was to **determine** weed seedling infestation levels needed to effectively detect weed patches with remote sensing. The final objective was to compare **estimated** economic **returns** of site-specific herbicide management and broadcast herbicide management in non-transgenic and glyphosate-tolerant **soybean** with various weed sampling intensities.

Prior to planting **soybean**, weed population estimates and soil and environmental data were collected from four fields. Generally, as...

...functions formed for detecting weed populations in one field were at least 73% accurate in **identifying** sicklepod and pitted morningglory infestations in **another** field.

A yield loss prediction/herbicide recommendation model was used to **determine** estimated net gains resulting from simulated herbicide applications at each sample location in each field. In non-transgenic

'soybean , the estimated net gain for treating the four fields with site-specific technology was \$104...

...ha<sup>&minus;l</sup> higher than using the optimum broadcast herbicide. In glyphosate-tolerant **soybean** , the average estimated net gain for treating the fields site-specifically was \$96.24 ha<sup>&minus;l</sup> higher than treating with the best broadcast herbicide. In non-transgenic **soybean** , estimated net gain resulting from site-specific applications on a 10-m grid was \$77...

11/3,K/3 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01608729 ORDER NO: AADNQ-21331  
**SYNTHETIC APERTURE RADAR FOR A CROP INFORMATION SYSTEM: A MULTIPOLARIZATION AND MULTITEMPORAL APPROACH (REMOTE SENSING)**

Author: BAN, YIFANG  
Degree: PH.D.  
Year: 1997  
Corporate Source/Institution: UNIVERSITY OF WATERLOO (CANADA) (1141)  
Source: VOLUME 58/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4690. 209 PAGES  
ISBN: 0-612-21331-5

...timely information is a critical requirement for successful management of an agricultural monitoring system. Crop **identification** and crop-area **estimation** can be done fairly **successfully** using satellite sensors operating in the visible and near-infrared (VIR) regions of the spectrum...

...for the development of image-analysis methodologies that can be applied to RADARSAT data for **extracting agricultural crop** information.

The overall objective of this research is to evaluate multipolarization airborne SAR data, multitemporal...

...the relationships between radar data and agriculture are being studied.

The major field crops are **corn** , **soybeans** , winter **wheat** , **oats** , **barley** , alfalfa, hay, and pasture. Using airborne C-HH and C-HV SAR data, it was...

...profiles were generated for each crop type and the earliest times of the year for **differentiation** of individual **crop types** were **determined** . Orbital (incidence-angle) effects were also observed on all crops. The average difference between the two orbits was about 3 **dB** . Thus attention should be given to the local incidence-angle effects when using ERS-1 SAR data, especially when comparing **fields** from **different** scenes or **different areas** within the same scene.

Finally, early- and mid-season multitemporal SAR data for crop classification...

...based on the temporal backscatter profiles. It was found that all crops studied could be **identified** by July 21.

11/3,K/4 (Item 3 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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887500 ORDER NO: AAD85-14376  
**THE APPLICATION OF COMPUTER SIMULATION AND MATHEMATICAL MODELING TECHNIQUES IN FEEDLOT BEEF CATTLE PRODUCTION AND RESEARCH**

Author: BRENNAN, ROBERT WILLIAM  
Degree: PH.D.  
Year: 1985  
Corporate Source/Institution: IOWA STATE UNIVERSITY (0097)  
Source: VOLUME 46/05-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1396. 145 PAGES

An interactive computer program was constructed and used to develop a **deterministic** linear programming model of a typical Midwestern farm feedlot production system. Data from a three-year series of cattle feeding trials served as the principal **data base** for the model which was utilized to evaluate the effects of diet (different silage: **grain** ratios), feeding management practices (restricted vs ad libitum feeding) and cattle marketing strategies (live weight...

...in the field. Results from simulation A indicated that rations which contained higher levels of **corn grain** were more profitable to feed than were higher silage rations with the 37:63 (silage: **grain** ) ration fed to 2,492 steers recommended as the most profitable feeding program. Feeding management...

...feed production/acquisition strategies were of greater importance in simulation B.

Interactions between the various **crop** and livestock **production alternatives** were observed. Although the variable costs of production for each of the feeding programs **evaluated** differed by only \$9/head, **income** penalties to the entire farm feedlot operation ranged from \$45 to \$176/head fed in...

11/3,K/5 (Item 1 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
(c) 2002 Info. Today Inc. All rts. reserv.

00612952 00IW10-105

**I-commerce aims for the personal touch -- A variety of site personalization tools inspire customer loyalty and dramatically increase online sales**

Paone, Joe

InfoWorld , October 9, 2000 , v22 n41 p78, 1 Page(s)

ISSN: 0199-6649

... site personalization in business-to-consumer (B2C) electronic commerce. Reports that Web site administrators can **choose** to personalize their sites with the help of four **different types** of personalization tools: name recognition, check box, rules and segmentation, and user preference-based. Says personalization enables companies to develop closer and more **fruitful** relationships with each customer, design more useful products, and engender customer loyalty. Mentions that personalization...

... be integrated with customer relationship management (CRM) systems, the call center, order fulfillment, back-end **databases** , and other aspects of enterprise. Indicates, however, that it makes **return -on-investment calculation** difficult, may drive away customers with privacy concerns, and requires dedicated consistent attention from managers...

16/5/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01194188 ORDER NO: AAD92-01323

**ECONOMIC AND ENVIRONMENTAL IMPLICATIONS OF ALTERNATIVE AGRICULTURAL SYSTEMS  
IN THE EASTERN CORN BELT: A MULTIPLE CRITERIA DECISION APPROACH (FARM  
MANAGEMENT)**

Author: FOLTZ, JOHN CLARK  
Degree: PH.D.  
Year: 1991  
Corporate Source/Institution: PURDUE UNIVERSITY (0183)  
Major Professor: MARSHALL A. MARTIN  
Source: VOLUME 52/07-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 2652. 298 PAGES  
Descriptors: ECONOMICS, AGRICULTURAL; ENVIRONMENTAL SCIENCES  
Descriptor Codes: 0503; 0768

Society is scrutinizing the environmental impacts of agriculture. This research **estimated** the net **farm returns** and environmental consequences of **alternative agricultural** systems on typical Eastern **Corn Belt** farms.

Partial budgets captured the economic impacts of the alternative farming systems. Two physical simulation models, EPIC (Erosion Productivity Impact Calculator) and GLEAMS (Groundwater Loading Effects of Agricultural Management Systems), estimated the environmental impacts. The analysis considered 2 soil types, 3 tillage systems, 4 crop rotations, and 3 fertilizer and pesticide levels. Profits, soil erosion rates, and fertilizer nutrient and pesticide loading into ground and surface water were incorporated into a multiple criteria decision algorithm which **determined** a typical farmer's or environmentalist's preferred choices among the different farming systems.

On the high productivity soil, the farmer's choices were: continuous **corn**, a **corn / soybean** rotation, and a **corn /alfalfa** rotation with minimum tillage and input use. On the low productivity soil, the farmer's choices were narrowed to continuous **corn** or a **corn /alfalfa** rotation, usually with minimum tillage and input use.

The environmentalist's preferred choices were more limited. On the high productivity soil, a **corn / soybean** rotation with minimum tillage and input use was selected. On the low productivity soil, the preferred alternative was continuous **corn** with minimum tillage and input use.

In no case were current EPA fertilizer and pesticide surface and ground water tolerances exceeded. More stringent soil erosion regulations would most adversely affect continuous **corn** and conventional tillage systems. Stricter surface water runoff standards would discourage **corn** production with high input use and conventional tillage. More stringent groundwater tolerances would most severely impact high input use cropping systems, no-till, and alfalfa production. Stricter regulations on nitrates in ground and surface water would require reductions in alfalfa and **corn** production, respectively, especially at high input levels. Tighter regulations on phosphorus in surface water would discourage alfalfa production.

On both soil types, at least one cropping system was preferred by both the farmer and the environmentalist. Thus, a congruence of policy choices is feasible. However, "green" payments may be necessary to compensate farmers for income losses associated with a transition to more environmentally acceptable farming systems.

16/5/2 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01157289 ORDER NO: AAD91-13369

**INTERCROPPING FORAGE-GREEN MANURE WITH A GRAIN LEGUME IN THE PRE-RICE  
DRY-WET PERIOD FOR FOOD, FEED AND ORGANIC NITROGEN ACROSS IRRIGATED AND  
RAINFED RICE ECOSYSTEMS**

Author: NUR-E-ELAHI, MD  
Degree: PH.D.  
Year: 1991  
Corporate Source/Institution: CORNELL UNIVERSITY (0058)  
Source: VOLUME 51/12-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 5650. 498 PAGES  
Descriptors: AGRICULTURE, AGRONOMY  
Descriptor Codes: 0285

Rice-based cropping systems in the monsoon tropics typically include a 60-90 day fallow period during the late dry season before the planting of wet season rice (*Oryza sativa*). Thousands of low resource farmers could benefit from introducing a **grain legume**, a forage green manure crop, or both, into this period. These could provide human food, animal fodder, and organic soil nitrogen for future rice.

Candidate crops for this purpose include mungbean (*Vigna radiata*) and sesbania (particularly *Sesbania rostrata*, a stem nodulating, nitrogen fixing **legume** species). These studies were developed to examine the performance of mungbean and *Sesbania rostrata* as sole crops and intercrops to **determine** their potential for improving farmer returns from this pre-rice fallow period. Studies were conducted in 1989-90, under irrigated and rainfed conditions at two locations near the International Rice Research Institute in the Philippines. Mungbean and sesbania plantings grew well, and produced high yields as sole crops and as intercrops. Mungbean, by providing a high value cash and food crop, contributed most profit to the system. Sesbania provided high quality forage when clipped at 35 days, and when incorporated, added substantial nitrogen for future rice. The incorporation of sesbania green manure and mungbean stubble provided nitrogen for rice equal to 90 kg/ha of nitrogen from urea fertilizer, and surpassed the zero nitrogen control in yield of rice **grain** and straw at two irrigated and one rainfed site.

Residual nitrogen from the green-manure plantings carried over to a second rice crop, to produced a half-ton to a ton of **added** rice per **hectare**. Net **returns** were **estimated**, based on cash value of mungbean, liveweight gains from sesbania forage, and rice response to green manure. Results indicated that the intercropped mungbean and sesbania was superior to sole crops and fallow plus chemical fertilizer in net returns and sustainability of the cropping systems.

Measurements were taken of nitrogen uptake, nitrogen utilization and efficiency, and of components of root, top growth and crop yield in mungbean, sesbania and rice. These further supported the value of the intercrop system.

16/5/3 (Item 3 from file: 35)  
DIALOG(R) File 35:Dissertation Abs Online  
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1066605 ORDER NO: AAD89-16604

**DISTRIBUTIONAL CONSEQUENCES OF AGRICULTURAL COMMODITY POLICY**

Author: CALVIN, LINDA SUE  
Degree: PH.D.  
Year: 1988  
Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, BERKELEY (0028)  
Source: VOLUME 50/04-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1021. 130 PAGES  
Descriptors: ECONOMICS, AGRICULTURAL  
Descriptor Codes: 0503

This work investigates how farmers react to agricultural commodity policy and the implications of that behavior for the distribution of welfare. The response to policy is not uniform since farmers are not a homogeneous group. Their diversity in response insures that any change in average welfare yields a change in the distribution of welfare, or equity. The distributional consequences of agricultural commodity policy depends on the distribution of characteristics of farmers, particularly risk preferences, that **determine** farm behavior.

A utility-maximization model for an individual farmer is developed



using 1982 cross-section data on Iowa cash **grain** farmers. Once the level of welfare for each individual is **determined**, the distribution of welfare in the population can be analyzed. In this simplified structural model a farmer faces two choices: the continuous land-allocation decision and the discrete participation choice. Both choices are functions of an individual's attitudes toward risk. A discrete/continuous model allows **identification** of factors that affect each decision. The participation choice is estimated as a discrete choice problem. The model requires information on how an individual would allocate **land** under the participation and nonparticipation **alternatives**. Only one **land - allocation plan** is observed for each individual. Unbiased land-allocation equations for the two participation choices are estimated using the Heckman two-stage procedure to correct for sample selection bias. This model of decision making allows econometric estimation of the coefficient of absolute risk aversion for each individual. Risk is revealed through farmers' decisions regarding whether or not to participate in commodity programs. Estimates show that absolute risk aversion declines with farm size, used as a proxy for wealth, and relative risk aversion increases with farm size. These results are consistent with Arrow's hypotheses regarding risk preferences and wealth.

Once the behavioral relationships are estimated, welfare under alternative policies is **determined**. Raising the target price increases average welfare. Large farmers benefit least in terms of per-acre increase in welfare. Despite the progressive nature of target prices, the relative equity effects is not large enough to compensate for the scale effect. Large farmers derive a larger increase in welfare per farm simply because of their size.

16/5/4 (Item 4 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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1005396 ORDER NO: AAD86-05120

**RESPONSE OF SHORT AND FULL SEASON COTTON CULTIVARS TO MEPIQUAT-CHLORIDE (PIX, GOSSYPIMUM SP., UPLAND)**

Author: BADER, RAYMOND FRANCISCO

Degree: PH.D

Year: 1985

Corporate Source/Institution: TEXAS A&M UNIVERSITY (0803)

Source: VOLUME 47/01-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2. 151 PAGES

Descriptors: AGRICULTURE, AGRONOMY

Descriptor Codes: 0285

The effects of mepiquat chloride (1,1 dimethyl piperidinium chloride), applied at three different stages of crop development, were evaluated on cotton **cultivars** of differing growth habit and **determinacy** (TAMCOT CAMD-E and Stoneville 213) to **determine** effects on phenological and morphological characters with respect to maturity and earliness and their interrelationships with yield and fiber properties. Field evaluation of plants grown from seeds of mepiquat chloride (MC) treated plants was conducted the following year for residual effects of the compound.

MC treatment reduced number of sympodia in Stoneville 213, and in both **cultivars**, significantly reduced lateral and vertical internode distances, plant height, and canopy width. Degree of reductions in morphological traits depended upon time of MC application. Light penetration through leaf canopy was increased in Stoneville 213 but reduced in TAMCOT CAMD-E, with early and recommended MC treatments.

In both **cultivars**, MC treatment did not affect bloom production nor rate of blooming, but significantly lengthened horizontal flowering intervals. MC treatment significantly reduced boll maturation period based on accumulated degree-days.

Early and recommended MC-treated Stoneville 213 had shorter mean maturity date, higher maturity rate index and increased **percentage harvest** in first and **second picks**. Only **percentage harvest** in first **pick** was improved in TAMCOT CAMD-E. Improvements in product-quantity indices of early maturity were associated with changes in

. morphological variables.

In both **cultivars**, MC treatment reduced vegetative dry weight, but differences in boll and total plant dry weights and number of bolls were not affected significantly.

MC treatment showed increases of seedcotton and lint yields in Stoneville 213 but not in TAMCOT CAMD-E, although differences were not significant. Yield increase in Stoneville 213 was associated with morphological modifications, reduced vegetative growth, improved light penetration into leaf canopy, and increased production rate index. Fiber length and length uniformity were increased in MC-treated Stoneville 213 but not in TAMCOT CAMD-E.

In both **cultivars**, seeds from MC-treated plants had significantly less electrolytic leakage but did not affect germination percentage. Field evaluation of plants grown from seeds of MC-treated plants also showed no residual effects of the compound.

Results suggest that full season types are more flexible than short season types in their response to MC treatment and period of application may not be generally specified for all types of cotton.

16/5/5 (Item 5 from file: 35)

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951541 ORDER NO: AAD87-09686

**AN ECONOMIC ANALYSIS OF PRODUCERS' INCOME INSTABILITY IN KENYA'S AGRICULTURAL SECTOR: THE CASE OF SELECTED MARKETED COMMODITIES**

Author: ARAP ROP, ISAAC KIPRUTO

Degree: PH.D.

Year: 1986

Corporate Source/Institution: OKLAHOMA STATE UNIVERSITY (0664)

Source: VOLUME 48/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 182. 171 PAGES

Descriptors: ECONOMICS, AGRICULTURAL

Descriptor Codes: 0503

Scope of Study. This study examines income instability of producers facing two distinct markets for their commodities: domestic and foreign. Kenyan producers of agricultural exports have little control over world trade. They face unstable physical and economic environments. Assuming that instability, defined as a temporary deviation from normality, reduces net welfare gains, then, it should be **identified**, measured and incorporated into the decision making process. In the case of Kenya, this needed analysis has not been done. Consequently, the first part of the study was to **identify** and quantify important sources of **farm** income instability. In the **second** part, four common **farm income** stabilization programs were **evaluated**. The first part was achieved by decomposing statistical identities. Four alternative government policy instruments used to stabilize farm income were evaluated using a simulation model.

Findings and Conclusions. Income instability from exports varied with the commodity and the transaction currency involved. Price fluctuations were the main sources of income variability. During the 1964-83 period, variability in supply dominated the income volatility of maize, **wheat**, tea and liquid milk while demand fluctuations were important for coffee. The share of income from export crops has been higher than that from commodities marketed domestically and in the presence of vagaries in foreign trade, a managed floating exchange rate would be an appropriate strategy. On stabilization policies, the existing fixed and preannounced producer prices led to least unstable per hectare income. Relatively more stable output of these commodities could be attained in the case of maize. In general, income stabilization policies should be directed at main sources of instability.

16/5/6 (Item 6 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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951147 ORDER NO: AAD87-05299

**A MULTIPERIOD ANALYSIS OF PRODUCTION , INVESTMENT, AND RESOURCE ALLOCATION UNDER ALTERNATIVE TILLAGE SYSTEMS (KENTUCKY)**

Author: SHRESTHA, CHANDRA MAN

Degree: PH.D.

Year: 1986

Corporate Source/Institution: UNIVERSITY OF KENTUCKY (0102)

Source: VOLUME 48/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 185. 295 PAGES

Descriptors: ECONOMICS, AGRICULTURAL

Descriptor Codes: 0503

As a part of an ongoing research project on the economics of alternative tillage systems this study (1) investigates the impacts of alternative tillage systems on multiperiod farm production, investment, resource allocation, and profitability; (2) examines the impacts of different objective functions and family-consumption cash-withdrawal scenarios on multiperiod farm production, investment, resource allocation, and profitability under alternative tillage systems; and (3) **determines** an optimal tillage technology for multiperiod farm production, investment, resource allocation, and profitability.

Twenty-two multiperiod linear programming (MLP) production-investment models are constructed and applied to a 750-acre farm representative of **grain** producers in Western Kentucky. Each MLP production-investment model has a planning horizon of six years.

Nonconventional tillage results in production-investment plans that generate higher discounted net cash balances or a higher net worth at the end of a six-year planning horizon than does conventional tillage. For two nonconventional tillage systems studied, no-tillage leads to higher discounted net cash balances and terminal net worth than does minimum tillage. Nonconventional tillage and crop rotations synergistically combine to increase discounted net cash balances and terminal net worth.

Whether or not the objective function used in a mathematical programming production-investment model includes the salvage values of capital items makes a large difference in the optimal production-investment plans generated by the model. An objective function which includes these values results in production-investment plans consisting of substantially greater accumulation of cropland, tractors, tillage equipment, combines, and harvesting equipment, and larger acreages of crops than does an objective function which does not include them.

Based on production-investment plans from separate-tillage models (models that separately portray the activities and constraints pertaining to different tillage systems), 100 percent no-tillage is the optimal tillage technology. Based on production-investment plans obtained from a combined-tillage model (a model that portrays together the activities and constraints pertaining to different tillage systems), a combination of 95.60 percent no-tillage and 4.40 percent minimum tillage is the optimal tillage technology. However, these results are not substantially different, since the use of 100 percent no-tillage instead of 95.60 percent no-tillage and 4.40 percent minimum tillage would have decreased the objective function value for the combined-tillage model only slightly. (Abstract shortened with permission of author.)

16/5/7 (Item 7 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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934682 ORDER NO: AAD86-26239

**FARM INCOME ENHANCEMENT OPPORTUNITIES FOR SMALL, PART-TIME, AND LIMITED-RESOURCE FARMING OPERATIONS IN EAST CENTRAL OKLAHOMA (POVERTY, VEGETABLE CROPPING, GROWTH SIMULATION MODEL)**

Author: SANFORD, SCOTT OLIVER

Degree: PH.D.

Year: 1986

Corporate Source/Institution: OKLAHOMA STATE UNIVERSITY (0664)

Source: VOLUME 47/08-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3132. 187 PAGES

Descriptors: ECONOMICS, AGRICULTURAL

Descriptor Codes: 0503

Scope and Method of Study. Using survey data, proxy farm models were constructed to examine opportunities for farm income enhancement afforded by alternative enterprise selection on small, part-time, and limited-resource farms, such as typify East Central Oklahoma. Three enterprise groups were evaluated jointly and severally, via linear programming, to **determine** optimal, i.e. farm profit maximizing, production organizations. These groups were: "traditional enterprises"--those commonly produced in the area, and related enterprises; "non-traditional enterprises"--swine production; and, "specialty enterprises"-- **vegetable** production.

Information concerning labor requirements, livestock and machinery requirements, and management returns were inputted into a simulation model to evaluate farm survivability and growth over time. **Farm** organizations reflecting **alternative** initial **farm** /off- **farm** labor **allocations** and enterprise combinations were **evaluated** over a 30-year growth horizon with respect to their potential to achieve family income and consumption goals, and, in the case of part-time farming operations, become full-time farming operations while maintaining or increasing family income.

Findings and Conclusions. Part-time farming operations devoted to the production of enterprises traditional to the area were largely unable to produce a farm income capable of satisfying family consumption requirements. Analysis of growth potential for the part-time operations indicated that expansion of traditional enterprises was not conducive to achievement of a full-time farming operation. These small part-time operations appear to be in a state of "near equilibrium" with respect to their farm/off-farm labor allocations.

Inclusion of specialty crops increased net farm income. However, farm income alone did not achieve family income goals and consumption requirements. Non-traditional enterprises yielded an income sufficient to achieve the goals and resulted in full-time farm operation. Analysis of a low-resource, low-management proxy farm model exhibited the classical "poverty trap" when evaluated as a full-time farm. The results suggest that for this type of farm the greatest opportunity for increasing family income lies in off-farm employment.

16/5/8 (Item 8 from file: 35)

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805697 ORDER NO: AAD83-07268

**POST-RECLAMATION USE OF SURFACE-MINED LANDS IN KENTUCKY**

Author: HIREMATH, BASAWARAJ N.

Degree: PH.D.

Year: 1982

Corporate Source/Institution: UNIVERSITY OF KENTUCKY (0102)

Source: VOLUME 43/11-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3659. 157 PAGES

Descriptors: ECONOMICS, AGRICULTURAL

Descriptor Codes: 0503

The major objective of this study is to **evaluate** the potential on-site monetary **returns** to the surface landowner from **agricultural** and forestry uses under **different** levels of reclamation of surface mined lands in Kentucky. Three typical sites were **chosen** for the analysis: area-mine site, contour-bench and mountaintop sites.

Results indicate that on fully reclaimed area-mine and mountaintop sites, **grain** crops are profitable--at all discount rates when labor supplies were not limiting. Under limited labor supplies, an enterprise-mix containing both agronomic crops and forest crops is profitable. Agronomic crops replace forest crops as labor becomes less binding.

On all partially reclaimed sites cottonwood pure-stand was the

most profitable enterprise at 3 percent discount rate irrespective of labor supplies. At discount rates of 5 percent or greater, alfalfa had the highest net returns if labor was not limiting. Under limited labor supplies a combination of alfalfa and a forest crop resulted in the maximum net returns. At 10 percent discount rate all tree mixtures had negative net returns.

On the fully reclaimed contour-bench site agronomic crops were not considered because of steep slopes, and on the unreclaimed site no agronomic crop had positive returns at any discount rate. At both levels of reclamation, cottonwood was the most profitable enterprise when the discount rate was 3 percent and alder was the profitable enterprise at 5 percent discount rate or greater. At 10 percent discount rate all crops had negative net returns on the unreclaimed site.

Enterprise-mix containing pure-stands had higher net returns than those containing tree mixtures. At lower labor supplies forest crops dominated the enterprise-mix and at higher labor supplies agronomic crops dominated the enterprise-mix in most cases.

On area-mine and mountaintop sites full reclamation had higher returns than partial reclamation. On contour-bench site partial reclamation had higher net returns than full or partial reclamation at discount rates of 5 percent or greater; at 3 percent discount rate full reclamation had higher net returns. The unreclaimed contour-bench site had the least net returns.

16/5/9 (Item 9 from file: 35)  
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734356 ORDER NO: AAD81-01649

**ECONOMICS OF ALTERNATIVE BEEF GENOTYPES AND CATTLE MANAGEMENT/MARKETING SYSTEMS**

Author: STOKES, KENNETH WAYNE

Degree: PH.D.

Year: 1980

Corporate Source/Institution: TEXAS A&M UNIVERSITY (0803)

Source: VOLUME 41/07-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3201. 263 PAGES

Descriptors: ECONOMICS, AGRICULTURAL

Descriptor Codes: 0503

This dissertation used the Texas A&M Cattle Production Systems Model to answer the question of "What type of cattle is most profitable?" and "Can a cow-calf producer's profits be increased by maintaining ownership of calves through the stocker and feeding stages?" A budgeting analysis was conducted for a representative Central Texas cow-calf producer who faced no constraint (other than price) in acquiring rented small **grain** pasture and employing a custom feedlot to finish weaner calves produced by the cow-calf operations. The model was used to simulate a number of calves differentiated by sex, age, weight, and condition from each herd. The nine herds differed by mature cow size and potential milk production. Post-weaning production/marketing options included: (1) selling weaner calves; (2) placing weaner calves directly into a feedlot for finishing; (3) placing the calves on winter pasture for four months and then placing them into a feedlot for finishing; (4) placing the calves on winter pasture for seven months and then selling them; and (5) placing the calves on winter pasture for seven months and then placing them into a feedlot for finishing.

Each calf class was priced separately based on feeder or slaughter cattle pricing equations which accounted for sale month, year, weight, grade, sex, and condition. Costs were adjusted to reflect the cost level of each particular year under analysis. Net returns to land and management were computed for each calf crop of the 1972-1978 period for each production option. In addition, a decision model was developed to **determine** the expected net returns of retained ownership for each individual calf class based on using (1) the current slaughter cattle price as a forecast, (2) USDA slaughter cattle forecast, and (3) a positive

.hedging margin.

The findings were the post-weaning operations had lower cost per pound of gain than cow-calf operations. While none of the postweaning production systems were consistently most profitable, the fixed system of always placing the weaner calves directly in the feedlot had the highest average **returns**. Using the USDA price **forecast** to **determine** the **production** /marketing ranked **second** in overall profitability and first in terms of a low standard deviation. Decisions based on hedging opportunities and forecasts based on current prices were not satisfactory alternatives. After comparing the returns of each of the management options, the option which produced the highest returns tended to have its sales concentrated around the peak price period of the year. The differences in monthly cattle prices were generally greater than the differences in cost of different production systems. In spite of the fact that using the USDA price forecast did not produce the highest average returns, it was concluded that producers who base their production and marketing decision on a recognized forecast service at time of weaning would have the highest average returns and the lowest net income variation.

The results indicated that larger cows with lower milking potential were the most profitable and had the lowest production cost, both in the pre-weaning and post-weaning production phase. These cows also had the lowest variance in returns. Results were generally consistent over genotypes in that, as frame size declined or milking ability increased, profits of weaned calves or finished slaughter cattle declined.

This study develops a variety of management and marketing decision guides and demonstrates that ranchers who are in a position to maintain ownership of calves beyond weaning can do so and increase profit opportunities without substantially increasing market risk.

16/5/10 (Item 10 from file: 35)  
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694187 ORDER NO: AAD80-20867

**COSTS AND RETURNS IN PICK -YOUR-OWN STRAWBERRY PRODUCTION CENTRAL NEW YORK, 1978-1979**

Author: POLING, EDWARD BARCLAY

Degree: PH.D.

Year: 1980

Corporate Source/Institution: CORNELL UNIVERSITY (0058)

Source: VOLUME 41/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 750. 167 PAGES

Descriptors: AGRICULTURE, PLANT CULTURE

Descriptor Codes: 0479

A farm survey of twenty pick-your-own (PYO) strawberry operations located in twelve Central New York counties supplied information on production factors which influence costs and returns of strawberry growers. Specific details were obtained within the study area on strawberry acreages, yields per acre, total harvested output per operation, production practices and associated fixed and variable costs from establishment through first harvest.

Strawberry production is primarily a part-time enterprise on the farms in this study. The average total cost per acre for establishment and first crop year preharvest operations was \$1,787. Yields ranged from a low of 1,500 quarts per acre to a high of 9,500 quarts per acre on first year **fruiting** beds. With a mean yield of 5,100 quarts per acre, the average cost per quart was about 35 cents. The majority of the operators in the study had a positive return to risk and management in the first crop year; the average return was \$1,013 per acre. Yield levels and associated profits attained by growers in 1979 were thought to be better than normal because of no damaging spring frosts in most Central New York producing areas, and excellent harvest weather conditions.

Both average costs per quart and profits per acre were found to be strongly influenced by the level of yields. Growers with higher yields per acre generally had greater total costs per acre, but the increased output

. and gross revenues more than offset the corresponding increase in production costs.

Factors related to farm size did not appear to be important contributors to economic efficiency and profits of strawberry enterprises. However, long run average cost curves constructed on the basis of direct analysis of farm records have the following weakness: size-efficiency relationships may be obscured by differences encountered in operators production techniques and managerial efficiency.

An analysis of systematic relationships between various production practices and yield levels revealed several variables which explained some of the variation in returns of the 20 production units studied. Preplant soil fumigation, growing year irrigation, runner spacing and raised beds are strawberry production practices which were **identified** in this study as factors associated with higher yields per acre and greater total returns to risk and management.

16/5/11 (Item 11 from file: 35)  
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687036 ORDER NO: AAD80-14028

**RURAL PARTICIPATION IN PROGRAM PHASES: A CASE STUDY OF RESETTLEMENT AND RURAL DEVELOPMENT OF KHASHM EL GIRBA (NEW HALFA) PROJECT (1959-1976), DEMOCRATIC REPUBLIC OF THE SUDAN**

Author: ABUBAKER, GAFFER S.

Degree: D.P.A.

Year: 1979

Corporate Source/Institution: STATE UNIVERSITY OF NEW YORK AT ALBANY (0668)

Source: VOLUME 41/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 395. 430 PAGES

Descriptors: POLITICAL SCIENCE, PUBLIC ADMINISTRATION

Descriptor Codes: 0617

This thesis is an analysis of farmers' participation in the activities of the New Halfa Project, the second largest agricultural project in the Republic of the Sudan. It is intended to enhance the recent efforts of scholars, institutions and African governments that advocate the involvement of rural people in their developmental programs.

The main thesis of this study has been that while the initial economic, social and political programs of the New Halfa Project were established through the efforts of the government of the Sudan, some of the successes and the survival of these programs have been enhanced through the tenant farmers' input in supplementing and correcting government's decisions, implementation activities, distribution of benefits, and evaluation efforts.

The methodology adopted in this study is eclectic in order to manage the complex issues of rural development participation in the New Halfa Project. However, the broader framework of the **Cornell** University Rural Development Committee provides a useful checklist for systematically examining local participation during both the development and the operation of the project.

The study focuses on eight general areas of interest as a means of gathering the necessary information from official and non-official records, and from interviews, questionnaires and participant observation. These eight areas of interest include: (1) **identification** of the relevant literature on rural development participation, (2) an overview of some of the Sudanese experiences with rural participation, (3) the characteristics of the farmers' environment before and after their enlistment in the New Halfa Project, (4) the involvement of farmers in the initial and implementation decisions of the New Halfa Project, (5) the role of farmers' organizations in the operational decisions of the project, (6) the contributions of farmers to the implementation of economic, social and political programs of the New Halfa Project, (7) the **different** sources of **income** for **farmers**, (8) the social and personal benefits and harmful consequences that accrued to farmers and the farmers' efforts to evaluate

• the performance of their programs.

Today, local involvement in rural development is recognized as one of the most important factors in bringing about economic and social development in the developing countries. However, there are some problems that tend to limit local involvement in developmental efforts. The findings and suggestions of this study are intended to raise the consciousness of policy-makers, planners, administrators, and teachers in the developing countries so that they may build adequate provisions in their policies and curricula with regard to farmers' involvement in the planning, implementation, management, benefits and evaluation of developmental programs.

16/5/12 (Item 1 from file: 583)

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09113884

Testing times for investors in AHP

US: AHP HIT BY SLUMP IN AGRICULTURAL DIVISION  
Financial Times (FT) 03 Jun 1999 p. 23  
Language: ENGLISH

Difficulties in the agricultural division have American Home Products (AHP) to warn that **second** quarter **earnings** will be down on **analysts** expectations by 17%. Farmers have responded to low **grain** prices by **choosing** the cheapest products and applying less herbicide and competition from Monsanto's Round Up has exacerbated the difficulties. AHP says it is reviewing its agricultural and veterinary businesses, although there are doubts that an interested buyer could be found. The problems surrounding the division are clouding the more successful consumer health sector, where sales of US\$ 400mn are expected from sales of Enbrel, the rheumatoid arthritis drug launched last November. Turnover in the division could rise by US\$ 3bn to US\$ 8.5bn in the next few years as a result of new product launches.

(c) Financial Times 1999

COMPANY: MONSANTO; AMERICAN HOME PRODUCTS  
PRODUCT: Ethical Products (2834EL);  
EVENT: Company Reports & Accounts (83);  
COUNTRY: United States (1USA);



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00388518

Closed ecological system.  
Geschlossenes ökologisches System.  
Systeme écologique ferme.

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APPLICATION (CC, No, Date): EP 90103698 900226;

PRIORITY (CC, No, Date): US 320641 890308; US 430828 891102

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INTERNATIONAL PATENT CLASS: A01G-009/00;

ABSTRACT WORD COUNT: 170

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Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPBBF1	469
CLAIMS B	(English)	EPBBF1	436
CLAIMS B	(German)	EPBBF1	413
CLAIMS B	(French)	EPBBF1	482
SPEC A	(English)	EPBBF1	7206
SPEC B	(English)	EPBBF1	6943
Total word count - document A			7675
Total word count - document B			8274
Total word count - documents A + B			15949

...SPECIFICATION are reared and released into the affected crops as  
necessary. Crops are planted together (either **intercropping** or  
companion planting) to prevent pests from congregating on a pure stand of  
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given plot continually change. **Intercropping** may also be employed for  
intensive agriculture and for synergistic cooperation between plant  
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...ones; thus, for example, the final wheat shown in plot 10 might be  
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1/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00125327

**Soil conservation** intercropping .

**Bodenerhaltungszwischenfruchtbau.**

**Culture derobee pour la conservation du sol.**

PATENT ASSIGNEE:

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LEGAL REPRESENTATIVE:

Lippert, Hans-Joachim, Dipl.-Ing. et al , Dipl.-Ing. W. Dahlke Dipl.-Ing. H.-J. Lippert Patentanwalte Frankenforster Strasse 137, D-5060 Bergisch Gladbach 3, (DE)

PATENT (CC, No, Kind, Date): EP 132521 A1 850213 (Basic)

APPLICATION (CC, No, Date): EP 84105129 840507;

PRIORITY (CC, No, Date): US 519314 830801

DESIGNATED STATES: BE; DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: A01B-079/02; A01C-007/00; A01G-007/00;

ABSTRACT WORD COUNT: 111

LANGUAGE (Publication,Procedural,Application): English; English; English

**Soil conservation** intercropping .

...ABSTRACT A1

**Soil conservation** **intercropping** .

**Soil Conservation** **Intercropping** utilizes large efficient farm equipment to plant and harvest two or more crops on one...

1/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00794771

**USE OF LIPO-CHITOLIGOSACCHARIDES FOR INCREASING PHOTOSYNTHESIS IN PLANTS AND CORRESPONDING METHODS AND COMPOSITIONS**

**UTILISATION DE LIPO-CHITO-OLIGOSACCHARIDES POUR ACCROITRE LA PHOTOSYNTHESE DANS LES PLANTES, ET PROCEDES ET COMPOSITIONS ASSOCIES**

Patent Applicant/Assignee:

MCGILL UNIVERSITY, 3550 University Street, Montreal, Quebec H3A 2A7, CA,

CA (Residence), CA (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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SOULEIMANOV Alfred, 5340 Walkley, Apt. 301, Montreal, Quebec H4V 2M7, CA, CA (Residence), RU (Nationality), (Designated only for: US)

Legal Representative:

DUBUC Jean H (et al) (agent), Goudreau Gage Dubuc, The Stock Exchange Tower, Suite 3400, P.O. Box 242, 800 Place Victoria, Montreal, Quebec H4Z 1E9, CA,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200126465 A1 20010419 (WO 0126465)

Application: WO 2000CA1192 20001006 (PCT/WO CA0001192)

Priority Application: CA 2285727 19991008

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 11728

Fulltext Availability:

Detailed Description

Detailed Description

... this study, might explain, at least in part, the increased productivity of legume-non legume **intercropping** systems and crop rotations. Hungria and Stacey (1997) reported enhanced growth and yield of **intercropped** corn and bean as compared to the monocrops and postulated that this increase might be...

1/3,K/4 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00776608

METHODS FOR ENHANCING PLANT GROWTH USING HYDROGEN GAS

PROCEDE FAVORISANT LA CROISSANCE DES PLANTES UTILISANT L'HYDROGENE GAZEUX

Patent Applicant/Assignee:

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(Residence), CA (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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(Residence), CA (Nationality), (Designated only for: US )

DONG Zhongmin, 24 Roxham Close, Halifax, Nova Scotia B3S 1G2, CA, CA

(Residence), CA (Nationality), (Designated only for: US )

WU Lishu, Dept. of Resource, Environment and Agrochemistry, Huazhong Agricultural University, Wuhan, Hubei 430070, CN, CN (Residence), CN (Nationality), (Designated only for: US )

Legal Representative:

SCRIBNER Stephen J, Parteq Innovations, Biosciences Complex Room 1625,

Queen's University at Kingston, Kingston, Ontario K7L 3N6, CA

Patent and Priority Information (Country, Number, Date):

Patent: WO 200108493 A1 20010208 (WO 0108493)

Application: WO 2000CA863 20000724 (PCT/WO CA0000863)

Priority Application: US 99146322 19990730

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8059

Fulltext Availability:

Detailed Description

Detailed Description

... known that enhancement of plant growth may be carried out naturally through crop rotation or **intercropping** with plants belonging to the legume family (e.g., clover, alfalfa). Typically, this can lead... increased by exposing the soil to H<sub>2</sub>. Also, the beneficial effect on crop growth of **intercropping** with legumes is recognized worldwide. However, to our knowledge, no studies have considered the effect...or in the same field at the same time as the target crop (i.e., **intercropping**). The legume selected for its ability to produce H<sub>2</sub>gas can be a legume having HUP...

...the invention is contrary to traditional use of legumes for grain yield, crop rotation or **intercropping**, because traditionally, legumes have been selected for their ability to maximize N<sub>2</sub>fixation and hence minimize

File 344:CHINESE PATENTS ABS APR 1985-2002/APR  
(c) 2002 EUROPEAN PATENT OFFICE  
File 347:JAPIO Oct/1976-2001/Dec(Updated 020503)  
(c) 2002 JPO & JAPIO  
File 350:Derwent WPIX 1963-2001/UD,UM &UP=200234  
(c) 2002 Thomson Derwent

?ds

Set	Items	Description
S1	12	INTERCROPP?

1/5/1 (Item 1 from file: 344)  
DIALOG(R)File 344:CHINESE PATENTS ABS  
(c) 2002 EUROPEAN PATENT OFFICE. All rts. reserv.

4248401

**INTERCROPPING CULTIVATION OF RICE IN DRY LAND**

Patent Assignee: JIANG SANLIN (CN)  
Author (Inventor): SANLIN JIANG (CN)  
Number of Patents: 000

Patent Family:

CC Number	Kind	Date
CN 1278402	A	20010103 (Basic)

Application Data:

CC Number	Kind	Date
*CN 99108810	A	19990618

Abstract: The upland interplanting rice-growing method is characterized by ridge forming on upland, adopting water-collecting measure, covering with plastic film, planting rice and interplanting corn or cotton and vegetable. It is a scientific, water-saving and space cultivation method, and can fully utilize land resources and is simple in operation, etc..

IPC: A01G-016/00

1/5/2 (Item 2 from file: 344)  
DIALOG(R)File 344:CHINESE PATENTS ABS  
(c) 2002 EUROPEAN PATENT OFFICE. All rts. reserv.

4222211

**PRODUCING TECHNOLOGY OF MALE-STERILE CHINESE CHIVES VARIETY**

Patent Assignee: MA SHUBIN (CN)  
Author (Inventor): SHUBIN MA (CN)  
Number of Patents: 000

Patent Family:

CC Number	Kind	Date
CN 1252212	A	20000510 (Basic)

Application Data:

CC Number	Kind	Date
*CN 98123649	A	19981023

Abstract: The present invention breeds excellent male sterile line 47-2A of Chinese chives and corresponding maintainer line 47-2B. The male sterile line and the maintainer line are intercropped, excellent seeds for direct Chinese chives production is gathered in the male sterile line. The improved variety has good commodity characteristics and has the features of being disease-resistant, cold-resistant, high in quality, high in yield, wide in adaptability, and male sterile.

IPC: A01H-001/00

1/5/3 (Item 3 from file: 344)  
DIALOG(R)File 344:CHINESE PATENTS ABS  
(c) 2002 EUROPEAN PATENT OFFICE. All rts. reserv.

4184190

**OPTIMIZED CROP CULTIVATION METHOD**

Patent Assignee: ZHANG HOUCAI (CN)  
Author (Inventor): HOUCAI ZHANG (CN)  
Number of Patents: 001

Patent Family:

CC Number	Kind	Date
CN 1214191	A	19990421 (Basic)

Application Data:

CC Number	Kind	Date
*CN 98110555	A	19981106

Abstract: The method is an optimized and combined cultivation method for wheat and corn as well as corn and soybean. It intercrosses wheat and corn or corn and soybean. When wheat and corn are intercropped, every six rows of wheat in the spacing of 20-30 cm are intercropped with one



row of corn in the plant spacing of 20-25 cm and plant density of 3600-4200 plants each mu. The said method can utilize soil resource and light energy fully, improve the ventilation condition of crops and raise the field of two kinds of crop.

IPC: A01G-007/00

1/5/4 (Item 4 from file: 344)

DIALOG(R)File 344:CHINESE PATENTS ABS

(c) 2002 EUROPEAN PATENT OFFICE. All rts. reserv.

4117331

**BILINEAR CROSSBREEDING PROCESS OF ONE-GENERATION HYBRID CHIVES SEEDS**

Patent Assignee: PINGDINGSHAN CITY INST OF AGRI (CN)

Author (Inventor): SHUBIN MA (CN)

Number of Patents: 000

Patent Family:

CC Number	Kind	Date
CN 1147332	A	19970416 (Basic)

Application Data:

CC Number	Kind	Date
*CN 96111855	A	19960823

Abstract: The present invention maintains heredity and propagation of male sterile line without using maintainer line, and it uses temperature sensitive male sterile line 9027A as female parent and purified self-bred line 9012 as male parent in intercropping to produce said hybride chives seeds on 9027A plants. The said hybrid chives has strong cold endurance, high yield and high quality. The crossbreedingprocess is realized by controlling the florescence temp.

IPC: A01H-001/02

1/5/5 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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01564817

**SOIL MAINTENANCE INTERCROPPING METHOD AND APPARATUS**

PUB. NO.: 60-043317 [JP 60043317 A]

PUBLISHED: March 07, 1985 (19850307)

INVENTOR(s): ERUUIN PII HIRUMAA

APPLICANT(s): ERUUIN PII HIRUMAA [000000] (An Individual), US (United States of America)

APPL. NO.: 59-072577 [JP 8472577]

FILED: April 11, 1984 (19840411)

PRIORITY: 6-519,314 [US 519314-1983], US (United States of America), August 01, 1983 (19830801)

INTL CLASS: [4] A01G-001/00

JAPIO CLASS: 11.1 (AGRICULTURE -- Agriculture & Forestry)

1/5/6 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013751595

WPI Acc No: 2001-235807/200125

XRPX Acc No: N01-168548

**Intercropping cultivation of rice in dry land**

Patent Assignee: JIANG S (JIAN-I)

Inventor: JIANG S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1278402	A	20010103	CN 99108810	A	19990618	200125 B

Priority Applications (No Type Date): CN 99108810 A 19990618

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
CN 1278402 A A01G-016/00

Abstract (Basic): CN 1278402 A

NOVELTY - The upland interplanting rice-growing method is characterized by ridge forming on upland, adopting water-collecting measure, covering with plastic film, planting rice and interplanting corn or cotton and vegetable. It is a scientific, water-saving and space cultivation method, and can fully utilize land resources and is simple in operation, etc..

DwgNo 0/0

Title Terms: CULTIVATE; RICE; DRY; LAND

Derwent Class: P13

International Patent Class (Main): A01G-016/00

File Segment: EngPI

1/5/7 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013639507

WPI Acc No: 2001-123715/200114

XRPX Acc No: N01-090895

**Bilinear crossbreeding process of one-generation hybrid chives seeds**

Patent Assignee: PINGDINGSHAN AGRIC SCI INST HENAN (PING-N)

Inventor: MA S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1147332	A	19970416	CN 96111855	A	19960823	200114 B

Priority Applications (No Type Date): CN 96111855 A 19960823

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

CN 1147332 A A01H-001/02

Abstract (Basic): CN 1147332 A

NOVELTY - The present invention maintains heredity and propagation of male sterile line without using maintainer line, and it uses temperature sensitive male sterile line 9027A as female parent and purified self-bred line 9012 as male parent in **intercropping** to produce said hybride chives seeds on 9027A plants. The said hybrid chives has strong cold endurance, high yield and high quality. The crossbreedingprocess is realized by controlling the florescence temp.

DwgNo 0/0

Title Terms: PROCESS; ONE; GENERATE; HYBRID; CHIVE; SEED

Derwent Class: P13

International Patent Class (Main): A01H-001/02

File Segment: EngPI

1/5/8 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013271211

WPI Acc No: 2000-443118/200039

XRPX Acc No: N00-330489

**Producing technology of male-sterile Chinese chives variety**

Patent Assignee: MA S (MASS-I)

Inventor: MA S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1252212	A	20000510	CN 98123649	A	19981023	200039 B

Priority Applications (No Type Date): CN 98123649 A 19981023

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CN 1252212	A			A01H-001/00	

Abstract (Basic): CN 1252212 A

The present invention breeds excellent male sterile line 47-2A of Chinese chives and corresponding maintainer line 47-2B. The male sterile line and the maintainer line are **intercropped**, excellent seeds for direct Chinese chives production is gathered in the male sterile line. The improved variety has good commodity characteristics and has the features of being disease-resistant, cold-resistant, high in quality, high in yield, wide in adaptability, and male sterile.

Dwg.0

Title Terms: PRODUCE; TECHNOLOGY; MALE; STERILE; CHINESE; CHIVE; VARIETY

Derwent Class: P13

International Patent Class (Main): A01H-001/00

File Segment: EngPI

1/5/9 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012589518

WPI Acc No: 1999-395624/199934

XRPX Acc No: N99-295770

**Optimised crop cultivation method - involves intercropping of wheat and corn or corn and soybean**

Patent Assignee: ZHANG H (ZHAN-I)

Inventor: ZHANG H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1214191	A	19990421	CN 98110555	A	19981106	199934 B

Priority Applications (No Type Date): CN 98110555 A 19981106

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CN 1214191	A		1	A01G-007/00	

Abstract (Basic): CN 1214191 A

The method is an optimized and combined cultivation method for wheat and corn as well as corn and soybean. It intercrosses wheat and corn or corn and soybean.

When wheat and corn are **intercropped**, every six rows of wheat in the spacing of 20-30 cm are **intercropped** with one row of corn in the plant spacing of 20-25 cm and plant density of 3600-4200 plants each mu.

ADVANTAGE - The method can utilize soil resource and light energy fully, improve the ventilation condition of crops and raise the field of two kinds of crop.

Dwg.0

Title Terms: OPTIMUM; CROP; CULTIVATE; METHOD; WHEAT; CORN; CORN; SOY

Derwent Class: P13

International Patent Class (Main): A01G-007/00

File Segment: EngPI

1/5/10 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012402790 \*\*Image available\*\*

WPI Acc No: 1999-208898/199918

XRPX Acc No: N99-154061

**Nozzle arrangement for fertilizer sprayer used in agriculture - has branch tubes with exhaust nozzles set offset to introduction part**

Patent Assignee: KUBOTA CORP (KUBI )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11047654	A	19990223	JP 97206701	A	19970731	199918 B

Priority Applications (No Type Date): JP 97206701 A 19970731

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11047654	A	4	B05B-017/00	

Abstract (Basic): JP 11047654 A

NOVELTY - Branched tubes (14) are connected to an introduction part (11). The branch tubes are again branched to have right angled corners and nozzles (13) are mounted at positions offset from the introduction part (11) are arranged. A whole nozzle (3) is mounted at the top and bottom of the vehicle reciprocatably.

USE - Used for spraying water and chemical solutions to crops.

ADVANTAGE - Water is sprayed for two or more times to one target object. Executes ridge **intercropping**. DESCRIPTION OF DRAWING(S) - The diagram shows plan of the nozzle arrangement. (11) Introduction part; (13) Nozzles; (14) Branched tubes.

Dwg.1/5

Title Terms: NOZZLE; ARRANGE; FERTILISER; SPRAY; AGRICULTURE; BRANCH; TUBE; EXHAUST; NOZZLE; SET; OFFSET; INTRODUCING; PART

Derwent Class: P14; P42

International Patent Class (Main): B05B-017/00

International Patent Class (Additional): A01M-007/00

File Segment: EngPI

1/5/11 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011267886

WPI Acc No: 1997-245789/199723

XRPX Acc No: N97-202660

**Planting technique for increasing production of maize**

Patent Assignee: UNIV SHENYANG AGRIC (UYSH-N)

Inventor: SHI Z; ZHANG X

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1100256	A	19950322	CN 94110124	A	19940318	199723 B

Priority Applications (No Type Date): CN 94110124 A 19940318

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CN 1100256	A		A01G-007/00	

Abstract (Basic): CN 1100256 A

The said technique is that maize of two or more varieties is mixed-planted or **intercropped**. The said technique can fully utilize the resource of soil, light, air, heat and water and increase the resistance of maize to diseases and insect pests as well as drought, waterlogging, wind, cold and other natural calamities. Comparing with available technique it can result in an increase of maize production by 10%.

Dwg.0

Title Terms: PLANT; TECHNIQUE; INCREASE; PRODUCE; MAIZE

Derwent Class: P13

International Patent Class (Main): A01G-007/00

File Segment: EngPI

1/5/12 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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04761043

PI Acc No: 1986-264384/198640

KRPX Acc No: N86-197629

**Farm tractor with high centre frame - has frame spaced above three-point hitch to allow lifting without interference**

Patent Assignee: HILMER E P (HILM-I)

Inventor: HILMER E P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4611683	A	19860916	US 83556561	A	19831130	198640 B

Priority Applications (No Type Date): US 83556561 A 19831130; US 81286241 A 19810722

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4611683	A		13		

Abstract (Basic): US 4611683 A

A trailing rear section includes a rear section frame and a low elongated transverse rear section axle supported from the rear section frame, having wheels mounted on the opposite ends. The wheels of the leading front and trailing rear sections axles define the same wheel track width and are disposed in front-to-rear alignment laterally.

The high centre frame is spaced above the standard ASAE three point hitch sufficient to allow the latter to lift a three point hitch mounted implement fully above the ground on which the wheels rest, independent of interference between the three point hitch, hitch mounted implement and the high centre frame. A hitch is mounted on the trailing rear section, extending rearwardly of the rear section frame.

USE - **Intercropping** farm tractor with rear wheel steering allowing zigzagging. (13pp Dwg.No.1/16)

Title Terms: FARM; TRACTOR; HIGH; CENTRE; FRAME; FRAME; SPACE; ABOVE; THREE ; POINT; HITCH; ALLOW; LIFT; INTERFERENCE

Derwent Class: Q22; Q23

International Patent Class (Additional): B62D-061/12; B62K-013/00

File Segment: EngPI

File 16:Gale Group PROMT(R) 1990-2002/May 30

(c) 2002 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2002/May 31

(c)2002 The Gale Group

?ds

Set	Items	Description
S1	4729970	FARM? OR PHARM? ? OR PHARMING? OR FIELD? ? OR AGRICULTUR? - OR GRANG? OR HOMESTEAD? OR PLANTATION? OR HACIENDA? OR AREA? ? OR LAND? ? OR TRACT? OR REAL()ESTATE? OR ACRE? OR RANCH? OR - HECTARE? OR INTERCROPP?
S2	7931648	CROP? ? OR PLANT? ? OR MONEYCROP? OR (CROP? ? OR PRODUCT? ?) (1W)INTEREST? OR HARVEST? ? OR PRODUCE OR PRODUCT? ? OR AGR- IBUSINESS OR SPECIES OR GREENHOUSE? OR AGROFORESTRY?
S3	1609988	S2(5N) (NEW? ? OR SECOND OR 2ND OR ADDITIONAL OR ALTERNATIV- E? OR DIFFERENT? OR SUPPLEMENT? OR EXTRA? OR ANOTHER? OR AUGM- ENT? OR ADDED OR BACK()UP?)
S4	8072809	ANALYS? OR ANALYZ? OR FORECAST? OR ESTIMAT? OR PLAN OR PLA- NNED OR PLANNING OR CALCULAT? OR PICK? OR RECOMMEND? OR EVALU- AT? OR TARGET? OR PROJECT
S5	588039	S4(5N) (PROFIT? ? OR E. <del>OR</del> ? ? OR SUCCESS? OR - LUCRATIVE OR MONEYMAKER? <del>OR</del> OR DIVIDEND? OR INCO- ME? OR PERCENTAGE? OR PROCEEDS OR RECEIVABLE? OR REVENUE? OR - ALLOCATION? OR MPF OR MOST() PROFITABLE() FARM?)
S6	15006	S3(S)S5
S7	1191	S6(S) (DATABASE? OR DATA() (BASE? OR FILE?) OR DATABANK? OR - DATA()BANK? OR KNOWLEDGEBASE? OR KNOWLEDGE()BASE? OR (EXPERT - OR SMART) ()SYSTEM? OR RDBM OR DBMS OR RDB OR DB OR DBS OR OODB OR ODBC)
S8	41	S7(S) (IDENTIF? OR DETERMIN? OR DEFINE? SELECT? OR CHOSE? - OR CHOOS?)
S9	35	S8 NOT PY=>2001
S10	30	RD (unique items)
S11	1944	S3(3N)S5
S12	8	S11(5N) (DATABASE? OR DATA() (BASE? OR FILE?) OR DATABANK? - OR DATA()BANK? OR KNOWLEDGEBASE? OR KNOWLEDGE()BASE? OR (EXP- ERT OR SMART) ()SYSTEM? OR RDBM OR DBMS OR RDB OR DB OR DBS OR OODB OR ODBC)
S13	8	S12 NOT S10
S14	7	RD (unique items)

14/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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05156912 Supplier Number: 47870759  
**Bristol-Myers Squibb - Company Report**  
Investext, pl-26  
July 30, 1997  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:  
...Margin Analysis 1994-2003E; Quarterly Sales Comparisons 1994-2003E;  
Sales/Operating Earnings Comparisons 1995-00; **New Product Revenue**  
**Forecasts** 1996-2003E; Cash Flow **Analysis** 1995-2003E; Q97 Variance  
**Analysis - Income** Statement; Q97 Variance **Analysis** -Worldwide Salesx0D  
The INVESTEXT **database** offers the full text of this report online  
(RN=2571072). To order printed copies, CALL...

14/3,K/2 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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04660002 Supplier Number: 46857717  
**Pfizer - Company Report**  
Investext, pl-17  
Nov 1, 1996  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:  
...1995-97; Quarterly Income Statement Analysis 1994-2003; Quarterly Margin  
Analysis 1994-2003; Quarterly Sales **Analysis** 1994-2003; **New Product**  
**Revenue Forecasts** 1996-2003; Cash Flow **Analysis** 1995-2003; 3Q Variance  
**Analysis - Income** Statement 1996; 3Q Variance **Analysis** - Sales  
1996x0D The INVESTEXT **database** offers the full text of this report online  
(RN=2516903). To order printed copies, CALL...

14/3,K/3 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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03566261 Supplier Number: 45011678  
**Agouron Pharmaceuticals, Inc. - Company Report**  
Investext, pl-5  
Sept 23, 1994  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:  
...of the AIDS virus, rhinovirus, hepatitis C and herpes.  
Tables in report: Stock Price And **Earnings** Data 1993-95; **Estimated**  
**New Cancer Cases**, U.S. 1993; **Product Portfolio**  
The INVESTEXT **database** offers the full text of this report online  
(RN=1508739). To order printed copies, CALL...

14/3,K/4 (Item 4 from file: 16)  
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03379532 Supplier Number: 44690305 (USE FORMAT 7 FOR FULLTEXT)  
**REUTERS PIONEERS ELECTRONIC DISTRIBUTION OF NEWS RELEASES IN JAPAN**  
PR Newswire, pN/A  
May 19, 1994  
Language: English Record Type: Fulltext

Document Type: Newswire; Trade  
Word Count: 333

... agencies, and used by news  
reporters to report stories, are sourced from The Mainichi Newspapers  
**database** .  
They cover announcements of company **earnings** and **profit**  
**forecasts** , **new products**  
, technologies, changes to company structure,  
strategy, management, personnel and labor.  
This will be the first...

14/3,K/5 (Item 5 from file: 16)  
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02388472 Supplier Number: 43139708  
**Astro-Med - Company Report**  
Investext, pl-1  
July 8, 1992  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:  
...entire list of military specifications.  
Tables in report: Stock Price, Earnings Data & Rating 1992-94; **New**  
**Products** , **Earnings Estimates** & **Recommendation**  
The INVESTEXT **database** offers the full text of this report online  
(RN=1239622). To order printed copies, CALL...

14/3,K/6 (Item 6 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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01387922 Supplier Number: 41651450  
**Cisco Systems - Company Report**  
Investext, pl-5  
Nov 1, 1990  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:  
...Murphy, T.M.  
Cisco, the market share leader for routers, reports strong demand for its  
**new** , high-end AGS(+) **product** . Provides **earnings estimate** and  
investment **recommendation** .  
The INVESTEXT **database** offers the full text of this report online  
(RN=1039433). To order printed copies, CALL...

14/3,K/7 (Item 7 from file: 16)  
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01124393 Supplier Number: 41268669  
**Stratus Computer - Company Report**  
Investext, pl-2  
April 6, 1990  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:  
...information on computer operating systems, computers, mainframe.  
Tables in report: Stock Price Dta 1989-91; **New Products** 1990; **Earnings**  
**Estimates** 1989-91  
The INVESTEXT **database** offers the full text of this report online



10/3,K/1 (Item 1 from file: 16)  
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07588512 Supplier Number: 63514043 (USE FORMAT 7 FOR FULLTEXT)  
**Personalization and Web analysis sink in - Tracking and data mining are increasingly seen as core tools of the online trade.** (Product Information)  
Fonseca, Brian  
InfoWorld, v22, n29, p39  
July 17, 2000  
Language: English Record Type: Fulltext Abstract  
Document Type: Magazine/Journal; Trade  
Word Count: 664

... be integrated with CRM (customer relationship management) and ERP (enterprise resource planning) systems and organizational **databases**. Unique visitor interaction and **identifiers** are appended for each session and assigned before the information is sent to a data warehouse, says Colleen Carey, WebTrends' director of **product** marketing.

**New** features in CommerceTrends include revenue forecaster Campaign Analyzer and a single-view data-providing add...

10/3,K/2 (Item 2 from file: 16)  
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07531915 Supplier Number: 63129402 (USE FORMAT 7 FOR FULLTEXT)  
**FirstWorld Provides Outlook on Anticipated Second Quarter And Year End Results; Announces Management Transition.**  
PR Newswire, p3115  
July 5, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1233

... its capital and resources towards its IDC business which offers the greatest and most immediate **return** on investment and will **evaluate** all non-IDC businesses to **determine** how to maximize value in each. In addition, in order to increase the speed at...

...through programs designed to improve technical knowledge, sales process and tracking. FirstWorld has refined its **database** marketing practices to better target customers within the small and medium-sized market and increased...

...FirstWorld is focused on maximizing revenue per customer and gross margin through the development of **new products** such as a robust managed server **product** and **new** valued-added managed services within its IDCs.

"In order for FirstWorld to solidify its position within the...

10/3,K/3 (Item 3 from file: 16)  
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06451991 Supplier Number: 55048101 (USE FORMAT 7 FOR FULLTEXT)  
**ConsSors soars above competition.**  
Retail Banker International, n414, pNA  
June 29, 1999  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1740

... we have been leaders in product innovation and we can act very quickly to deliver **new products** and services that will make our customers very satisfied," says Schmidt. New account generation is...

...accounts per day. Income from mutual funds, said Schmidt, will be one of the main **earnings** growth opportunities. ConSors **estimates** that 50 percent of its customers own mutual funds but only a fraction of those...

...months the company website will be upgraded to enable customers to search the mutual fund **database** by several predefined criteria to help **determine** which fund is best suited to their investment needs. ConSors customers can use their brokerage...

10/3,K/4 (Item 4 from file: 16)  
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06393316 Supplier Number: 54813018 (USE FORMAT 7 FOR FULLTEXT)  
Assistum knowledge base computes with words using fuzzy logic. (Assistum's Assistum decision-support software) (Product Announcement)  
Johnson, R. Colin  
Electronic Engineering Times, p58  
June 7, 1999  
Language: English Record Type: Fulltext  
Article Type: Product Announcement  
Document Type: Magazine/Journal; Trade  
Word Count: 418

... a set of interactive questions.  
Choose strategies, priorities  
For instance, Assistum's standard business-strategy **knowledge base** enables work groups to **choose** from among a set of competing business strategies. The business drivers **knowledge base**, likewise, helps a group **identify** the causes of its profitability or the blame for its losses. Similarly, the project selector **knowledge base** assigns priorities to internal projects and assesses their potential impact and chances of **success**. The pricing assistant helps **pick** a price point for **new products**. And the outsourcing **knowledge base** helps OEMs to decide which, if any, specific subsystems should be subcontracted to other manufacturers...

10/3,K/5 (Item 5 from file: 16)  
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06205555 Supplier Number: 54154361 (USE FORMAT 7 FOR FULLTEXT)  
AD CHIEFS PURSUE DOLLARS IN NEW WAYS, OLD PLACES; Sales reps given new skills and incentives to sell -- the BMW plan delivers big time.  
NewsInc, v11, n2, pNA  
Jan 18, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1142

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
Market by market, newspaper ad directors are **targeting** new sources of **revenue**, equipping their sales staffs with new marketing tools and offering new incentives -- such as a luxury auto -- to sell, sell, sell. From new internal alignments to **database** marketing and renewed focus on customer service, ad directors are employing new tools and targeting...  
...who have been on 100 percent commission for two years, are benefiting from a burgeoning **database** being nurtured by the Copley paper's three-year-old marketing department. "We have a...  
...a list for our salesmen to call on." EVERY BUSINESS IN NEBRASKA An even heftier **database** project is being undertaken chainwide by Lee Enterprises Inc. of Davenport, Iowa. In Nebraska, the Lincoln Journal Star finds **database** knowledge "helps **identify** the opportunities and points you in the right direction," says Retail Ad Manager Jeff Barr. The **database**

pointed to four areas warranting intense effort in 1999: insurance, home improvement, medical care providers and personal service businesses, such as hairdressers. Area retailers are **identified**, an estimated annual sales figure is attached to each (using national data for a particular...

...that likely would be spent on advertising is computed. With that, Barr explains, "we can **determine** what our portion of the advertising budget should be." Thus sales goals are based on...

...a second or third or fourth time." But because reps are charged with feeding the **database** with current data about their prospects and accounts, they are "continually pulling bits and pieces from the customer" through repeat visits. While the Journal Star recently hired a **database** manager, Lee is relying on Monica Tews to lead the multimedia company's properties into the **database** era. Tews, the corporate business marketing **database** manager, says new revenue may be realized from selling access to Lee **databases** to companies wanting to do business-to-business mailings. "I have 72,000 businesses in my **database** -- that's every business in Nebraska," she says from her office in Lincoln. And when...

...Lee paper is thinking of starting a new section or tab, it can query its **database** for the market for a given segment, then go to advertisers with a firm grasp...year, the goal rises by 50 percent -- but new dollars from the first year's **crop** of **new** clients can count toward the goal. And the BMW plan does not affect existing commission...

10/3,K/6 (Item 6 from file: 16)  
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06144883 Supplier Number: 53920544 (USE FORMAT 7 FOR FULLTEXT)

**RFID takes production to new levels at disc maker.**

Tipton, Anne

Automatic I.D. News, v15, n2, p38(1)

Feb, 1999

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1589

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...produces tens of thousands of media discs daily. Replacing bar code labels with radio frequency **identification** tags was the centerpiece of a major product traceability project that has given the world...

...media disc production sites. Along with addressing the contamination concerns, Seagate wanted the tracking and **identification** system to store production information (e.g., completion of various processing stages) on the cassette...

...to be able to confirm that each cassette, before entering a given processing center, had **successfully** completed all the preceding operations. **Evaluating** the technology options After an in-depth analysis of the various automatic **identification** technologies on the market, RMG decided on an RFID solution. Two-dimensional bar codes were considered, but Seagate **chose** not to use them in part because they lack read/write capability. RFID technology satisfied the project's requirements and concerns, from process tracking to contamination. After Seagate **chose** its technology strategy, the company was faced with the challenge of evaluating RFID companies to **determine** which provider would offer the most reliable products and support. From six final candidates, Seagate **chose** Escort Memory Systems (EMS), based in Scotts Valley, CA. The project was implemented in large...

...bytes of memory that operates in the 13.56MHz frequency range. Serving as a distributed **database**, each RFID tag holds a production checklist specific to the disc type, for example, a...

...contains a unique lot number, product code and any experiment notes, such as a code **identifying** the disc as part of a certain production experiment. Discs are routed through 20 production...to a shipping cassette. A Code 39 bar code label that only encodes a unique **database** code number is attached to the new cassette. When read with a Symbol Technologies LS4000 scanner for packing and shipping, the encoded **database** code number pulls up an entry from another system **database**; the entry holds the disc information previously held by the RFID tag. Before being shipped...

...software interfaces for the data routing system. The ERP system uses Oracle/Informix-based relational **databases**. Data mining tools and report-generation software distribute production data to financial software applications, including...

...equation," says Khan. With a main goal of step-by-step production monitoring, the major **product** traceability project behind the **new** RFID system also forecast key benefits, including improved production efficiency, automation processes and traceability, all...

...deployed in other facility areas, says Khan. The company currently is reviewing whether to install **another** RFID system using EMS **products** at its Singapore disc production facility, according to Khan. In the meantime, instead of spinning...

10/3,K/7 (Item 7 from file: 16)  
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06141802 Supplier Number: 53910328 (USE FORMAT 7 FOR FULLTEXT)  
**SUN TIES WORKERS' COMPENSATION PLAN TO SYSTEM UPTIME.**  
Computergram International, pNA  
Feb 10, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 379

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
...top of the list of its concerns, Sun Microsystems Inc is linking its internal employee **compensation plan** directly to the level of system and application uptime its customers achieve. If six-monthly...

...SunUp network, which will add software to users' systems to measure actual application availability and **identify** the root cause of downtime. The data goes back to Sun, which says participants will then enhance **products** or deploy **new** practices to address these issues even while applications are running. Sun says the goal is...

...and for specific applications. Sun claims that HP's uptime numbers exclude planned outages and **database** and clustering hangs, putting it even farther behind Sun's service levels. A recent DH...

10/3,K/8 (Item 8 from file: 16)  
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06055332 Supplier Number: 54141406 (USE FORMAT 7 FOR FULLTEXT)  
**100 years of Promotion.**  
Promo, n1047-1707, pNA  
August, 1998  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 4472

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...490. The rebate offer lasted from August 1914 to August 1915 and was essentially a **profit**-sharing idea. Ford **planned** that once it reached a certain level of profitability, it would share that revenue with...promo displays in the windows and ballot boxes on the counter." Rheingold girls would be **chosen** annually for 25 years until 1963. (Grace Kelly and Tippi Hedren were among the also...

...producing cardboard displays, sales aids, flip charts, and anything to help move the wave of **new products** flooding stores. It was a point-of-sale paradise. On the male-dominated business scene...  
...movies. "Saturday morning TV was like organized religion," says Taylor. All the programs were closely **identified** with brands that sponsored and effectively owned the shows, just as they had in radio...

...an official T-shirt. The promo turned kids into fanatics for the cereal as they **identified** with Rusty's adventures with cavalrymen such as Captain Rip Masterson. "It was every boy...and figured that 20 percent was fraudulent, so something besides coupons was needed to bring **new** blood to the brand. **Product** trial was deemed crucial to building business for scads of **new products** and line extensions, and sampling companies became the beneficiaries. Big brands were best positioned to...a centralized, pre-approved, pre-fabricated set of promotions from which the local bottlers could **chose**," he says. By the mid-1980s, account-specific or menu-style marketing had spread to...

...across the land, advertising their products, staging events, and handing out samples and premiums. Smart **databases** notwithstanding, the tactics of old Adolphus Busch remain alive and well.

10/3,K/9 (Item 9 from file: 16)  
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05114477 Supplier Number: 47809326 (USE FORMAT 7 FOR FULLTEXT)  
**ETCD: An everyday guide to the European consumer**  
European Cosmetic Markets, pN/A  
July 1, 1997  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 2902

... manufacturers themselves? What does the ETCD data have to offer them?

Consumer usage can be **successfully analysed** at an individual country level, to quantify the true competitive environment for a brand - perhaps...

...The declared attitudes held by consumers can then be referred back to the brands they **choose** to use; enabling manufacturers to build up a complete picture of the type of people using their brand(s). For example, cluster analyses can be utilised to **identify** those people favouring special offers/price promotions versus those who prefer to opt for proprietary...  
...of all panel members across Europe via the questionnaire. The ultimate flexibility of the PowerView **database** means that all the variables of consumer usage can be linked directly back to the store(s) favoured by users of **different product** types and brands. In this way, ETCD data can be used on a tactical level...

10/3,K/10 (Item 10 from file: 16)  
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04970989 Supplier Number: 47303613

**VF Corporation - Company Report**

Investext, pl-7

April 16, 1997

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Trade

**ABSTRACT:**

...result from a more streamlined organization, with shared services across divisions, brands and business groups. **New product** introductions should be more successful than ever, due to the increased use of research to **determine** consumer needs.x0D Tables in report: Stock Price, Earnings Data And Rating 1995-98; Quarterly EPS **Estimates** 1995-98; Quarterly **Earnings** Model 1996-98; Balance Sheet 1990-97; Cash Flow Analysis 1990-98x0D The INVESTEXT **database** offers the full text of this report online (RN=2545229). To order printed copies, CALL...

10/3,K/11 (Item 11 from file: 16)

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04649045 Supplier Number: 46839444

**Harnischfeger Industries - Company Report**

Investext, pl-8

Oct 29, 1996

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Trade

**ABSTRACT:**

...alx0D Harnischfeger Industries' B2000 program was presented in a recent meeting with investors. The presentation **identified** the broad strategy of allowing paper customers to focus on selling their product while Beloit...

...high fixed cost paper industry. Beloit 2000 will focus on getting its mill service (aftermarket) **revenues** up to 40% of its **estimated** year 2000 paper-making machinery sales of \$2.0 billion. These are high-profit **products**. Distribution through **new** service centers and 200 additional sales people will be emphasized.x0D Tables in report: Stock...

...Mining Equipment Business 1993-97; Quarterly Orders And Backlog By Segment 1992-96x0D The INVESTEXT **database** offers the full text of this report online (RN=1805589). To order printed copies, CALL...

10/3,K/12 (Item 12 from file: 16)

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04582006 Supplier Number: 46736118 (USE FORMAT 7 FOR FULLTEXT)

**CADIS Launches Expansion of Parts Information Management Business**

News Release, pN/A

Sept 24, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 550

(USE FORMAT 7 FOR FULLTEXT)

**TEXT:**

...Douglas; Navistar International; Polaroid; Raytheon; Scientific Atlanta; Storage Technology; Sunbeam, Inc.; Tektronix; and 3M. "We **plan** to leverage our **success** as the leading parts information management solutions provider in the U.S. today;" said CADIS...

...version 3.5, was announced in July 1996. Version 3.5 adds a number of **new** features that expand the **product** 's query functionality, enabling complex parts data to be easily modeled in the PMX **knowledge base** and intuitively searched from desktop client systems. Key enhancements include a new Extended Query capability that enables users to **identify** components

based on their parametric attributes, then perform an extended query to research all the...

10/3,K/13 (Item 13 from file: 16)  
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04523860 Supplier Number: 46646675 (USE FORMAT 7 FOR FULLTEXT)  
**VDS Vault Access incorporates Spicer's Imagenation**  
News Release, pN/A  
August 22, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 614

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...of industry-standard formats including ME10 MI formats and Microsoft Word and Excel documents. VDS **choose** Imagenation after reviewing **alternative** imaging **products** on the market. Barry Brown, VDS PDS Business Manager, explains: "The Hewlett-Packard ME10 CAD...

...file format capabilities, and the company's integration services. A key part of the Vault **project success** has been the integration strengths of the selected components. Imagenation's API allows VDS to...

...standard file formats for CAD, text, scanned, and faxed documents for Windows, Macintosh, and UNIX. **Database** -independent, Imagenation's API allow integration in Electronic Document Management (EDMS), Product Document Management (PDM...

10/3,K/14 (Item 14 from file: 16)  
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04402380 Supplier Number: 46458290 (USE FORMAT 7 FOR FULLTEXT)  
**NESTOR IN MAJOR PACT WITH NATIONAL COMPUTER SYSTEMS**  
News Release, pN/A  
June 11, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 330

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...Route. The pact also gives NCS the right to use NESTOR's technology to develop **new products** in other areas. In addition to a payment of \$1.7 million, mostly as initial...

...national industry standards. We are now able to concentrate a more focused effort in two **target** areas, each with great **profit** potential: applications of PRISM in bank-card fraud detection and **database** knowledge extraction; and systems built upon our Nil 000 Recognition Accelerator chip, including TrafficVision for...

...the capabilities of our imaging systems to deliver the functionality our customers require." Mr Guilotti **added**, "The Nestor character recognition **products** and neural network technology are significant complements to NCS products and technology and will insure...

...data through pattern recognition. NESTOR's premier products include PRISM (Proactive Risk Management System) for **identifying** subtle patterns of purchasing behavior, including fraud and credit risk, and revenue enhancement; and the...

10/3,K/15 (Item 15 from file: 16)  
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04346089 Supplier Number: 46374128  
**(New) Oji Paper - Company Report**  
Investext, pl-19  
May 9, 1996  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:

...with Honshu Paper. Both the timing of the merger and the partner New Oji has **chosen** are good. The merger will add paperboard and cardboard to **New Oji's product** line and reduce its dependence on plain paper just when profits are expected to peak...

...cutting of (Y)35bn over the next five years. Tables in report: Stock Price And **Earnings** Data 1995-98; **Forecast** Results At The Kushiro Plant 1995; The Assumptions Behind Our Forecasts 1995-97; Valuations Compared...

...Ratios (The Future Oji Paper) 1992-97; Indicators And Ratios (Honshu Paper) 1992-95; Major **Plants** **New Oji Paper** 1994; A Comparison With Nippon Paper 1995 And 1997 The INVESTEXT **database** offers the full text of this report online (RN=1739150). To order printed copies, CALL...

10/3,K/16 (Item 16 from file: 16)  
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04285935 Supplier Number: 46280700  
**Glaxo-Wellcome Plc - Company Report**  
Investext, pl-15  
April 3, 1996  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:

...1996-97, the first, starting April 16, 1996, with Novopharm. These cases and appeals will **determine** how many, if any, generic competitors will be allowed in the market starting in either...

...U.S. sales of both Zantac and Zovirax represented 20% of 1995 sales and an **estimated** \$0.75 per share of **earnings** (40%-50% of total earnings).x0D Tables in report: Stock Price/Earnings Data 1995-97...

...Integration Savings 1995-98; Earnings Per ADR Scenarios 1999; Zantac And Zovirax Sales 1995-99E; **New Product** Sales 1994-99E; Pharmaceutical Sales By Product 1994-99; Income Statement Year Ending December 31...

...Income Statement Pro Forma Interim Results 1994-96E; Cash Flow Analysis 1995-99Ex0D The INVESTEXT **database** offers the full text of this report online (RN=1722916). To order printed copies, CALL...

10/3,K/17 (Item 17 from file: 16)  
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03995460 Supplier Number: 45802021  
**SIG - Company Report**  
Investext, pl-6  
Sept 20, 1995  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:



...PLC report by Steer, T., et al SIG is market leader in many of its **chosen** product areas. In Insulation Distribution, the company is exposed to a broad spread of markets...

...prices that it had in the past. In Architectural Hardware, the company has suffered, but **new products** have helped. Ceilings and Partition Distribution are increasing their importance to the group and are...

...Funds Flow 1994-96; Historic Turnover And Profits Record 1990-94; Segmented Sales (A); Segmented **Profits** (A); **Forecast** Assumptions 1994-96; Major Shareholders; Value Statistics The INVESTEXT **database** offers the full text of this report online (RN=1639595). To order printed copies, CALL...

10/3,K/18 (Item 18 from file: 16)  
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03303068 Supplier Number: 44561140 (USE FORMAT 7 FOR FULLTEXT)

**Wage Wonks**

Credit Card Management, p12

April, 1994

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 235

... Union now says it has a better method - a refined version of its Trans Union **Income Estimator product**. Trans Union developed the **new** formula by taking a national sample of mortgage applicants with verified individual income and overlaying it on credit characteristics from Trans Union's national consumer **data base**. The result: a method that **identifies** individual, rather than household, income.

TIE incorporates 23 behavioral characteristics, including borrowing and payment data...

10/3,K/19 (Item 19 from file: 16)  
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03166075 Supplier Number: 44325482

**How to Create New Products**

Target Marketing, v0, n0, p40

Jan, 1994

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Trade

**ABSTRACT:**

...products and bring them to market is discussed. For the direct marketing industry, developing a **new product** must also involve keeping an eye on the competition. Firms must be confident of their...

...react to the competitive environment. The first place a direct marketing firm should look when **determining** its best opportunities is in its own **database**. The 7 steps to **successfully** develop products include **analyzing** the buying habits of the house file; relying on research and testing as the basis for selecting **new products** and structuring offers; picking and staying with a **new - product** screening system; sending out a survey before dry testing; developing a prototype that exactly matches...

10/3,K/20 (Item 20 from file: 16)  
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01588704 Supplier Number: 41952870 (USE FORMAT 7 FOR FULLTEXT)

**NEW CANDLE DISK STORAGE MANAGER**

Computergram International, pN/A  
March 25, 1991  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 194

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

Candle Corp's **Database** Tools Division has announced a **new** version of its DB2 disk **product** that helps manage disk storage and reclaim excess space: DB2-DASD provides a set of facilities for managing how DB2 uses disks, **identifying** wasted space, and showing which datasets need to be moved; then it **recommends** appropriate space **allocation** and **target** volumes, and provides the ability to move datasets; since DB2-DASD does not use any...

...the costing feature, Version 2 of DB2-DASD provides Space Finder which enables administrators to **determine** the best target device for moving a dataset; the macro facility enables a series of...

10/3,K/21 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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12203869 SUPPLIER NUMBER: 62405722 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**The Life Cycle View of Customers.**

Wheaton, Eby Phillip  
US Banker, 110, 6, 77  
June, 2000

ISSN: 0148-8848 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1471 LINE COUNT: 00117

TEXT:

...fall short by looking solely at accounts in the present tense. One-to-one marketing, **database** marketing and personalized e-business are just some of the initiatives under the customer relationship...

...data warehouses and mining that data to cross-sell, increase direct marketing response rates and **identify** profitable customers for improved targeting. While focusing on selling current customers at a single point...

...from lost customers and how customer relationships change and grow over time-is critical to **successful** sales efforts, distribution **planning** and performance measurement activities. There are a variety of reasons why consumers close accounts. Occasionally...

...move out of their bank's service area. Customers mature to new life stages demanding **different** levels of risk and return. **Products** such as installment loans and CDs reach the end of their defined lifetimes. Customers refinance...

...household with an interest checking account, single-account households show 27% attrition. Those with one **additional product** run off at a 20% rate; and those with two or more **additional products**, a 17% rate. Clearly, the deeper the relationship and the more "hooks" the bank has...

...the expected attrition. So, shouldn't this imply that successfully cross-selling a customer a **new product** and deepening the relationship would help in retaining that customer? It depends on who the...

...at any given time. True available demand comprises those households in the market for the **product**. Consider two **different** neighborhoods with the same number of households but different demographics. The first is a wealthy...

10/3,K/22 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB

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12086689 SUPPLIER NUMBER: 62099641 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Morgan's New Horizon. (J.P. Morgan & Co.'s software package) (Brief Article)**  
Bennett, By Robert A.  
US Banker, 110, 5, 66  
May, 2000  
DOCUMENT TYPE: Brief Article ISSN: 0148-8848 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 1024 LINE COUNT: 00083

... efforts is Horizon, which is designed to help companies understand their operational risks and to **determine** which problems are most urgent. It is part of Morgan's new \$1 billion "e...

...questions, starting with the biggest risk categories and going into the tiniest detail. The client **chooses** how far down the hierarchy he or she wants to go. The broadest categories deal...

...and managerial structure and strategy. In looking at people risk, it includes skill sets, retention, **succession planning** and awareness of corporate policies, such as diversification and trading rules. Information includes data quality...

...self-assessment" program, in which business managers learn where their vulnerabilities are, enabling them to **determine** the priority they should give to solving each problem. The price ranges from \$175,000...

...not structured for personal computers but is written in Java and runs on Versata, a **database** that comes with the program. U.S. Banker called several other vendors of operational risk...

...expert, Nedim Baruh, an associate at NetRisk Inc. of Greenwich, CT, said his company's **product** is "95% **different** " than Morgan's. In fact, sources say Horizon and NetRisk are holding talks about how...

...is internal data collection about previous operational problems, which would serve as the basis of **determining** the amount of risk in the system, which is considered the most difficult part. Third...

10/3,K/23 (Item 3 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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10158647 SUPPLIER NUMBER: 20052712 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**So you want to know your customers? Six reasons why you need a database marketing system.**  
Rosenthal, Lee; McEachern, Carla  
Bank Marketing, v29, n9, p22(1)  
Sep, 1997  
ISSN: 0888-3149 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 606 LINE COUNT: 00051

... customers better means having a competitive edge, since you can develop a contact strategy and **evaluate** the **return** on investment for each of your campaigns. **Choose** a **database** marketing system that lets you track your customers, the products and services they buy and...

...or through what channels they buy them. Use this information to plan your strategy - whether **identifying** a **new product** or service to offer to one particular customer segment, or developing a new channel to...

10/3,K/24 (Item 4 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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09837597 SUPPLIER NUMBER: 19635825 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Revenues continue their roll. (21st Annual 300: The Top Firms in  
Nonresidential Design and Construction) (Directory)

Building Design & Construction, v38, n7, p9(113)

July, 1997

DOCUMENT TYPE: Directory ISSN: 0007-3407 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 104189 LINE COUNT: 09150

... Wooden Flag Poles Ryther-Purdy Lumber Co., Inc. Union Metal corp.  
Valmont Industries, Inc.

10400 IDENTIFICATION DEVICES

A-1 Visual Systems A.R.K. Ramos Mfg. co., Inc. ASI Sign Systems...

...Mohawk Sign Systems, Inc. Nelson-Adams, Div. of A. Lawer Corp. Poblocki  
& Sons, Inc. Seton Identification Products Supersine Co., The 3M, Product  
Information Center Unitex, Div. of Elizabeth Webbing Mills Co...

...ASI Sign Systems, Inc. Pepper, Peter, Products, Inc. Poblocki & Sons,  
Inc. Quartet Manufacturing Co. Seton Identification Products Supersine  
Co., The Tablet & Ticket Co., The Visiontron Corp. Vomar Products Weyel  
International

10420...

...Kroy Sign Systems Modulux, Inc., Div. of ASI Sign Systems, Inc. Poblocki  
& Sons, Inc. Seton Identification Products Supersine Co., The Vomar  
Products

10430 EXTERIOR SIGNAGE

A.R.K. Ramos Mfg. Co...

...Charleston Industries, Inc. Clearr Corp., Display Div. Colite  
International Ltd. Cornelius Architectural Products, Inc. Craftmark  
Identification Systems Daktronics, Inc. Desk & Door Nameplate Co. Display  
Solutions, Inc. Dura Architectural Signage, Div. of...

...of ASI Sign Systems Inc. Moultrie Manufacturing Co. Poblocki & Sons,  
Inc. Quartet Manufacturing Co. Seton Identification Products SouthWood  
Corp. Supersine Co., The Tablet & Ticket Co., The 3M, Product Information  
Center Unitex...Charleston Industries, Inc. Clearr Corp., Display Div.  
Colite International Ltd. Cornelius Architectural Products, Inc. Craftmark  
Identification Systems Daktronics, Inc. Desk & Door Nameplate co. Display  
Solutions, Inc. Dura Architectural Signage, Div. of...

...Systems, Inc. Mohawk Sign Systems, Inc. Panduit Corp. Poblocki & Sons,  
Inc. Quartet Manufacturing Co. Seton Identification Products Supersine  
Co., The Tablet & Ticket Co., The 3M, Product Information Center Unitex,  
Div. of...

...Sign Co.

10450 PEDESTRIAN CONTROL DEVICES

Alvarado Mfg. Co., Inc. American Floor Products Co. Seton

Identification Products

10500 LOCKERS

American Locker Security Systems Ampco Products, Inc. Bike Lokr Co.  
Citiworks, Inc...TIF Instruments, Inc. 3M, Product Information Center Twirl  
Jet Spas, Inc. Zeiss, Carl, Inc., Surgical Products Div.

11710 MEDICAL STERILIZING EQUIPMENT

American UltraViolet Co. Siemens Medical Systems, Inc. 3M, Product  
Information...

10/3,K/25 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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09437597 SUPPLIER NUMBER: 19271689 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Enterprise Web development environments. (guide to development tools  
available) (Buyers Guide)

DeVoney, Chris

Datamation, v43, n4, p98(5)

April, 1997

DOCUMENT TYPE: Buyers Guide      ISSN: 0011-6963      LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 772      LINE COUNT: 00064

...ABSTRACT: Web development environments is presented. Many IS managers are under pressure to connect their corporate **databases** to the Internet or an intranet or create a Web presence with an application that will let the company **profit** from the Web. **Analysts** and users say an ideal enterprise Web development environment should integrate all types of programming...

...with multiple component object models and run on inexpensive platforms. Web development tools are so **new** a category that no single **product** can meet every user expectation. **Choosing** a product for enterprise development may involve compromises and learning new programming skills to cope...

10/3,K/26      (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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09332451      SUPPLIER NUMBER: 19161829      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Implementing the OECD jobs strategy. (includes related article)**  
OECD Economic Surveys - Japan, p83(60)  
Dec, 1996  
ISSN: 0376-6438      LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 17631      LINE COUNT: 01463

10/3,K/27      (Item 7 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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08685116      SUPPLIER NUMBER: 17021472      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Complexity in corporate modelling: a review.**  
Clarke, S.; Tobias, A.M.  
Business History, v37, n1, p17(28)  
Jan, 1995  
ISSN: 0007-6791      LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 11335      LINE COUNT: 00961

... a Linear Function of Variables Subject to Linear Inequalities', in T.C. Koopmans (ed.), Activity **Analysis** of Production and **Allocation** (1951); S.I. Gass, Linear Programming. Methods and Applications (2nd edn. 1964); M. Simmonard, Linear...

...Dynamics (Cambridge, MA, 1971). Other important early contributions included O.C. Nord, Growth of a **New Product**. Effects of Capacity-Acquisition Policies (Cambridge, MA, 1963); D.W. Packer, Resource Acquisition in Corporate...Beracha, Strategic Planning Systems (New York, 1968); S.K. Mullick and J.C. Chambers, 'Strategic **New Product** Planning Models for Dynamic Situations', IEEE Transactions, Vol. EM 15 (1968), pp. 100-108. (29...

...Laboratory Simulation Experience', Management Science, Vol. VIII (1962), pp. 23945; E.B. Berman, 'Monte Carlo **Determination** of Stock Redistribution', Operations Research, Vol.X (1962), pp.500-506; B.P. Dzielinski, C...pp. 602-12; S. Schoeffler, R.D. Buzzell and D.F. Heany, 'Impact of Strategic **Planning** on **Profit** Performance', Harvard Business Review, Vol. 52 (1974), pp. 137-45 (also in Dyson, Strategic Planning... Neural Network Models in Artificial Intelligence (London, 1990); S.I. Gallant, Neural Network Learning and **Expert System** (London, 1993); M. Chester, Neural Networks a Tutorial (New Jersey, 1993); D.D. Hawley, J...

10/3,K/28      (Item 8 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB

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07186918 SUPPLIER NUMBER: 14833500 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Entrepreneurial R&D: balancing risk & innovation. (research and development, food industry) (includes related article on failed products)**  
Mancini, Leticia  
Chilton's Food Engineering, v66, n1, p67(4)  
Jan, 1994  
ISSN: 0193-323X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1811 LINE COUNT: 00144

... entered into New-Prod, which statistically analyzes the discussion for management factors that could influence **success** or failure of a **project** based on its **database** of several hundred **new product** introductions. The model assigns degrees of risk and **identifies** weak areas.

"The model gets the team to put its arms around the real issues...

10/3,K/29 (Item 9 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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05792091 SUPPLIER NUMBER: 11866708 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The M&A Rosters; third quarter 1991.**  
Mergers & Acquisitions, 26, n4, 65(65)  
Jan-Feb, 1992  
ISSN: 0026-0010 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 104170 LINE COUNT: 10201

... S. operated, at June 1, 1990, 1,853 retail drug stores in 27 states. Its **products** include prescription and proprietary drugs, toiletries, vitamins, beauty aids, ...it will be evaluating an additional \$78 million in other consumer and commercial loans to **determine** if they meet its financial standards. United Federal Savings Bank is a

10/3,K/30 (Item 10 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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03611328 SUPPLIER NUMBER: 07301929  
**The hard sell for management software.**  
Evans, Richard  
International Management, v43, n11, p66(3)  
Nov, 1988  
ISSN: 0020-7888 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

ABSTRACT: Decision support software systems help people make decisions and **plan** effectively. Experts believe that **successful** managerial software must be easy to use but must have enough capabilities to do many **different** things. Five **products** that help with decision making have recently reached the market. Brainstorm, written by David Tebbut...

...that allows people to analyze ideas. Mirrorsoft Ltd. (London, England) has developed Timeslips, which can **determine** the expense and time of any project, and File Rescue Plus, which retrieves material from...

...negotiating objectives and strategies. Lotus Development Corp (Boston, MA) has created Agenda, an advanced, flexible **database** program.

File 160:Gale Group PROMT(R) 1972-1989

(c) 1999 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2002/May 30

(c) 2002 The Gale Group

?ds

Set	Items	Description
S1	516407	FARM? OR PHARM? ? OR PHARMING? OR FIELD? ? OR AGRICULTUR? - OR GRANG? OR HOMESTEAD? OR PLANTATION? OR HACIENDA? OR AREA? ? OR LAND? ? OR TRACT? OR REAL()ESTATE? OR ACRE? OR RANCH? OR - HECTARE? OR INTERCROPP?
S2	1738418	CROP? ? OR PLANT? ? OR MONEYCROP? OR (CROP? ? OR PRODUCT? ?)(1W)INTEREST? OR HARVEST? ? OR PRODUCE OR PRODUCT? ? OR AGR- IBUSINESS OR SPECIES OR GREENHOUSE? OR AGROFORESTRY?
S3	303427	S2(5N)(NEW? ? OR SECOND OR 2ND OR ADDITIONAL OR ALTERNATIV- E? OR DIFFERENT? OR SUPPLEMENT? OR EXTRA? OR ANOTHER? OR AUGM- ENT? OR ADDED OR BACK()UP?)
S4	1095255	ANALYS? OR ANALYZ? OR FORECAST? OR ESTIMAT? OR PLAN OR PLA- NNED OR PLANNING OR CALCULAT? OR PICK? OR RECOMMEND? OR EVALU- AT? OR TARGET? OR PROJECT
S5	46511	S4(5N)(PROFIT? ? OR EARNING? OR RETURN? ? OR SUCCESS? OR - LUCRATIVE OR MONEYMAKER? OR COMPENSATION OR DIVIDEND? OR INCO- ME? OR PERCENTAGE? OR PROCEEDS OR RECEIVABLE? OR REVENUE? OR - ALLOCATION? OR MPF OR MOST()PROFITABLE()FARM?)
S6	1790	S3(S)S5
S7	76	S6(S)(DATABASE? OR DATA()(BASE? OR FILE?) OR DATABANK? OR - DATA()BANK? OR KNOWLEDGEBASE? OR KNOWLEDGE()BASE? OR (EXPERT - OR SMART)()SYSTEM? OR RDBM OR DBMS OR RDB OR DB OR DBS OR OODB OR ODBC)
S8	10	S7(S)(IDENTIF? OR DETERMIN? OR DEFINE? SELECT? OR CHOSE? - OR CHOOS?)
S9	10	S8 NOT PY=>2001
S10	10	RD (unique items)
S11	174	S3(3N)S5
S12	1	S11(5N) (DATABASE? OR DATA()(BASE? OR FILE?) OR DATABANK? - OR DATA()BANK? OR KNOWLEDGEBASE? OR KNOWLEDGE()BASE? OR (EXP- ERT OR SMART)()SYSTEM? OR RDBM OR DBMS OR RDB OR DB OR DBS OR OODB OR ODBC)
S13	1	S12 NOT S10

. 10/3,K/1 (Item 1 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
(c) 1999 The Gale Group. All rts. reserv.

01991156

**A Vendor Draws From Within**

Computer Graphics World August, 1988 p. 60,61  
ISSN: 0271-4159

... PVI) (Boulder, CO) has linked its graphics software with Oracle's (Belmont, CA) Oracle relational **database** mgmt system ( **DBMS** ) on its VAX 11/785 computer to provide its marketing mgrs with a new decision...

... KI Cohen, director of product marketing for Oracle. Marketing information is extracted from the Oracle **DBMS** and transferred to PVI's PicSure Presentation Graphics Software System, where it is graphically displayed...

... make decisions regarding the redirection of marketing dollars. It also allows the company to quickly **analyze** the critical **success** factors for **new products** or programs. Article further discusses the marriage of the graphics system with **DBMS** , as well as PVI's reason for **choosing** Oracle.  
...

10/3,K/2 (Item 2 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
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01866246

**Targeted couponing: New wrinkles cut waste**

Marketing Communications January, 1988 p. 40,41  
ISSN: 0164-4343

... manufacturers are avoiding waste through targeted couponing, which has been aided by advances in computer **database** technology. Precision Target Marketing (PTM) is a direct marketing agency that specializes in targeting coupons...

... to its client's competitors. It provides its clients with lists of consumers who are **identified** as non-users of the client's brand, a redemption and **Return -On-Investment analysis** . Some 200 bil coupons are distributed each year. This coupon glut is attributed to the...

... and how much they are making, brand managers are faced with increased demands, especially on **new product** introductions. Donnelly's Share Force is a package aimed at competitive-user households. It uses...

10/3,K/3 (Item 3 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
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01831848

**Home Shopping Network - Facilities & Equipment**

Annual Report 1987 p. 0

... the Company uses this information to capitalize on new product development opportunities.

The ability to **identify** and reach Club members with precision **targeting** is key to increasing our **return** on investments by promoting special products, services, and offers to specific segments of our **database** . Building Club member loyalty, cross-promoting our products and services, and increasing the chances for success of **new products** are some of the long-term goals we plan to achieve.

10/3,K/4 (Item 4 from file: 160)



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DIALOG(R)File 160:Gale Group PROMT(R)  
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01386887

**A Simplified Guide To Capital Investment Risk Analysis.**  
PLANNING REVIEW July, 1986 p. 32-361

A simplified version of computer simulations can help **determine** the risks and benefits of an investment strategy. The technique is based on an approach developed by former McKinsey partner **DB Hertz** that incorporates uncertainty into **planning** decisions by **estimating** risks and **returns**. As an example of using the simpler approach, a firm's subjective calculations of the range of sales a **new product** would likely achieve is used as a starting base. Assuming a certain confidence level and...

10/3,K/5 (Item 5 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
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01060453

**Viewpoint: Defend your market share.**  
Sales & Marketing Management July 2, 1984 p. 151

... the seriousness of a threat once it is discovered; and many firms fail to develop **new products** to defend existing brand franchises. Changes in demographics, consumer attitudes, technology or government regulation breed...

... Develop an accurate competitive frame definition for your products; build an actionable, in-depth competitive **knowledge base**; make an objective assessment of your own competitive strengths and vulnerabilities compared with those of...

...workable plans that the company can execute; build in a feedback loop to assess marketplace **success** and **plan** improvements if needed; and, create a competitive intelligence system to avoid surprises and **identify** opportunities for competitive advantage. ...

10/3,K/6 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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02416259 SUPPLIER NUMBER: 63514043 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Personalization and Web analysis sink in - Tracking and data mining are increasingly seen as core tools of the online trade.**(Product Information)  
Fonseca, Brian  
InfoWorld, 22, 29, 39  
July 17, 2000  
ISSN: 0199-6649 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 725 LINE COUNT: 00064

... be integrated with CRM (customer relationship management) and ERP (enterprise resource planning) systems and organizational **databases**. Unique visitor interaction and **identifiers** are appended for each session and assigned before the information is sent to a data warehouse, says Colleen Carey, WebTrends' director of **product** marketing.

**New** features in CommerceTrends include revenue forecaster Campaign Analyzer and a single-view data-providing add...

10/3,K/7 (Item 2 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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02270865 SUPPLIER NUMBER: 53910328 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**SUN TIES WORKERS' COMPENSATION PLAN TO SYSTEM UPTIME.**

Computergram International, NA

Feb 10, 1999

ISSN: 0268-716X

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 397

LINE COUNT: 00035

TEXT:

...top of the list of its concerns, Sun Microsystems Inc is linking its internal employee **compensation plan** directly to the level of system and application uptime its customers achieve. If six-monthly...

...SunUp network, which will add software to users' systems to measure actual application availability and **identify** the root cause of downtime. The data goes back to Sun, which says participants will then enhance **products** or deploy **new** practices to address these issues even while applications are running. Sun says the goal is...

...and for specific applications. Sun claims that HP's uptime numbers exclude planned outages and **database** and clustering hangs, putting it even farther behind Sun's service levels. A recent DH...

10/3,K/8 (Item 3 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01688452 SUPPLIER NUMBER: 15519693 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Riding high on Expressway 103. (Expressway Technologies Corp's Expressway 103 DBMS decision support software) (Server Side)**

Roti, Steve

DBMS, v7, n8, p90(3)

July, 1994

ISSN: 1041-5173

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2572 LINE COUNT: 00205

... finds Expressway Technologies easy to work with, responsive to customers, and very knowledgeable about its **product**.

**Another** Expressway user is Shelley Kooser, a systems engineer with MCI (Colorado Springs, Colo.). MCI uses...

...with a Sybase back end for marketing purposes such as planning sales and revenue. Kooser **chose** Expressway because MCI needed to store large amounts of data (approximately six million records per...

10/3,K/9 (Item 4 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01446925 SUPPLIER NUMBER: 11041536 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Playing the generation game. (application generation)**

McParland, Patrick

EXE, v6, n1, p14(4)

June, 1991

ISSN: 0268-6872

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3163 LINE COUNT: 00252

TEXT:

...customise existing applications. End-user application generators provide easy to use screen painters, report writers, **database** query languages and menu designers. Development application generators, on the other hand, are for the...

...may also provide a pseudo-code editor and tools to design screens, reports, menus and **database** queries. The I-CASE products use their generation tools to generate a completed application (Figure...

...demonstrating their effectiveness at generating complex applications from design information. Top-down or Bottom-up? **Choosing** an application

.generator enforces a nasty choice on developers. Both the top-down approach of I-CASE and the bottom-up approach of Lower CASE are necessary. Having to **choose** between them is a compromise. The larger or more complex an application, the more assistance...

...the necessary software by iteratively amending an initial prototype so that the customer can view **successive** prototypes and **recommend** changes. One way to get around having to make the 'nasty choice' between top-down...

...easy. Developers have to select the best tools to use from a large set of **product** types and **products** from many **different** vendors. Developers may have access to Upper CASE tools, 4GEs, 3GLs, project management tools and...

...tools, DBMSs and applications all from different vendors. It really means the ability to connect **different products** into a workable whole using standard interfaces. The most successful example of interoperability is the use of **databases** with application generators. As a result of the acceptance of SQL as a standard data access language, developers can largely **choose** which **database** they wish their applications to use. Currently, most application generators support the use of SQL as a standard means of communicating with a **database**. Application generators should, therefore, be able to produce applications capable of using several **databases**. This type of integration is called **DBMS** interoperability. Products such as ACCELL, INGRES, UNIFACE and others, specialise in providing developers with such freedom. The acceptance of SQL as a standard has made **databases** a separate commodity. Developers select an application generator and then they have a choice of **database** to use for storing their generated application's data. The pressure for disparate environments' is...

...For example, few I-CASE tools provide project estimation tools. All 'Interchange' There is a **new** and exciting type of **product** which goes a long way to solving these classic dilemmas. Rather than adopting the above ...

...other software tools by forming partnerships' with other software tools vendors. For example, a 4GE/ **DBMS** vendor may negotiate with a CASE vendor to allow the contents of the CASE tool...

10/3,K/10 (Item 5 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
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01380083 SUPPLIER NUMBER: 09445535 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Relational data bases lift banks' profit.**  
Zimmerman, Kim Ann  
Computers in Banking, v7, n9, p20(2)  
Sept, 1990  
ISSN: 0742-6496 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 420 LINE COUNT: 00034

ABSTRACT: Banks using relational **databases** are improving their after-tax profit by an average of \$18.8 million per year...

...businesses traditionally use new technologies to reduce overhead or cut payroll costs, banks use relational **databases** to boost profits and increase **revenues**. Bankers surveyed say they **plan** to increase usage of relational **databases** in the next two to three years and anticipate an increase in profit before taxes of an average of \$36.5 million a year. Common applications of relational **databases** include profitability analysis and credit risk analysis. One bank reports using relational **databases** to target customers who are likely to be interested in a **new product**. Another used the technology to **identify** customers who were using certain combinations of services.

. 13/3,K/1 (Item 1 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
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01621942

Morgan, Olmstead, Kennedy & Gardner, Inc Investment Analyst Report on  
Pfizer, Inc .  
CIRR November 16, 1984 p. 1

... 85E EPS, 81-85 Financial Highlights and Estimates, 81-83 Historical  
Data, 81-83 Segment **Analysis** -Operating **Profit** , 84 **New Product Data**  
**BaseP** One of the core holdings in the drug group. Most  
currency-sensitive among leading domestic...

File 344:CHINESE PATENTS ABS APR 1985-2002/APR  
(c) 2002 EUROPEAN PATENT OFFICE  
File 347:JAPIO Oct/1976-2001/Dec(Updated 020503)  
(c) 2002 JPO & JAPIO  
File 350:Derwent WPIX 1963-2001/UD,UM &UP=200234  
(c) 2002 Thomson Derwent  
File 348:EUROPEAN PATENTS 1978-2002/May W02  
(c) 2002 European Patent Office  
File 349:PCT FULLTEXT 1983-2002/UB=20020523,UT=20020516  
(c) 2002 WIPO/Univentio

?ds

Set	Items	Description
S1	6	AU='SCHLACHTENHAUFEN':AU='SCHLACHTENHAUFEN JOHN JEFFREY'
S2	12	AU='HAY N M':AU='HAY NORMAN'
S3	110	AU='ULRICH I':AU='ULRICH JAMES FRANCIS'
S4	12	S3 AND FARM?
S5	126	AU='BARNETT B':AU='BARNETT BRUCE H'
S6	5	S5 AND FARM?
S7	40	AU='BARCLAY R':AU='BARCLAY ROBERT JR'
S8	4	S7 AND FARM?

1/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

014327381 \*\*Image available\*\*  
WPI Acc No: 2002-148084/200219  
XRPX Acc No: N02-112217

**Internet-based farms selecting apparatus determines offers to be made to farms for growing specified crop, based on estimation of profits to be earned by farms for growing other crops**

Patent Assignee: RENESSEN LLC (RENE-N)  
Inventor: BARCLAY R A; BARNETT B H; HAY N; **SCHLACHTENHAUFEN J J** ; ULRICH J F

Number of Countries: 095 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200203307	A2	20020110	WO 2001US20294	A	20010626	200219 B

Priority Applications (No Type Date): US 2000626576 A 20000727; US 2000215982 P 20000705

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200203307	A2	E	74	G06F-019/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

...Inventor: **SCHLACHTENHAUFEN J J**

1/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

014228854 \*\*Image available\*\*  
WPI Acc No: 2002-049552/200206  
XRPX Acc No: N02-036608

**Livestock production plan developing apparatus for animal producers, develops production plan partly based on real-time pricing information for both animal meat and ingredients, from production and nutrition planners**

Patent Assignee: RENESSEN LLC (RENE-N)  
Inventor: ADRIAENS F A R M; BARCLAY R A; BARNETT B H; HAY N;

**SCHLACHTENHAUFEN J J**

Number of Countries: 095 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200189285	A2	20011129	WO 2001US16269	A	20010518	200206 B
AU 200164714	A	20011203	AU 200164714	A	20010518	200221

Priority Applications (No Type Date): US 2000610391 A 20000705; US 2000205405 P 20000519

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200189285	A2	E	146	G06F-017/60	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200164714	A			G06F-017/60	Based on patent WO 200189285
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...Inventor: **SCHLACHTENHAUFEN J J**

1/3,K/3 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2002 European Patent Office. All rts. reserv.

01401460

APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST  
APPARAT UND VERFAHREN ZUM AUSWAHLEN VON LANDWIRTSCHAFTLICHEN BETRIEBEN FUR  
DEN ANBAU EINER FELDFRUCHT

DISPOSITIFS ET PROCEDES POUR LA SELECTION D'EXPLOITATIONS APPROPRIEES A UNE  
CULTURE DONNEE

PATENT ASSIGNEE:

Renessen LLC, (3269930), 3000 Lake Side Drive, 300 S, Bannockburn, IL  
60015, (US), (Applicant designated States: all)

INVENTOR:

HAY, Norman, 2855 Somerset Lane, Orono, MN 55356, (US)

SCHLACHTENHAUFEN, John, Jeffrey, 1204 Inverlieth Road, Lake Forest, IL  
60045, (US)

ULRICH, James, Francis, 11 East Louis Avenue, Lake Forest, IL 60045, (US)

BARNETT, Bruce, H., 671 South Balmoral Court, Lake Forest, IL 60045, (US)

BARCLAY, Robert, Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047,  
(US)

PATENT (CC, No, Kind, Date):

WO 200203307 020110

APPLICATION (CC, No, Date): EP 2001950488 010626; WO 2001US20294 010626

PRIORITY (CC, No, Date): US 215982 P 000705; US 626576 000727

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-019/00

LANGUAGE (Publication,Procedural,Application): English; English; English

INVENTOR:

... US)

SCHLACHTENHAUFEN, John, Jeffrey...

1/3,K/4 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2002 European Patent Office. All rts. reserv.

01384906

METHODS AND APPARATUS FOR DEVELOPING AN OPTIMIZED LIVESTOCK PRODUCTION  
PLAN, FOR AUTOMATICALLY EXECUTING COMMERCIAL TRANSACTIONS IN SUPPORT  
THEREOF AND FOR ANALYZING ECONOMIC FACTORS PERTAINING THERETO

VERFAHREN UND SYSTEM ZUR ENTWICKLUNG EINER OPTIMIERTEN TIERHALTUNG

PROCEDES ET APPAREIL PERMETTANT DE DEVELOPPER UN PLAN DE PRODUCTIONS  
ANIMALES OPTIMISE AFIN D'EXECUTER AUTOMATIQUEMENT DES TRANSACTIONS  
COMMERCIALES QUI LE SOUTIENNENT ET D'ANALYSER LES FACTEURS ECONOMIQUES  
QUI S'Y RAPPORTENT

PATENT ASSIGNEE:

Renessen LLC, (3269930), 3000 Lake Side Drive, 300 S, Bannockburn, IL  
60015, (US), (Applicant designated States: all)

INVENTOR:

SCHLACHTENHAUFEN, John, Jeffrey, 1204 Inverlieth Road, Lake Forest, IL  
60045, (US)

HAY, Norman, 2855 Somerset Lane, Orono, MN 55356, (US)

ADRIAENS, Francis, Andre, Raymond, Michel, 905 Morningside Drive, Lake  
Forest, IL 60045, (US)

BARCLAY, Robert, Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047,  
(US)

BARNETT, Bruce, H., 671 South Balmoral Court, Lake Forest, IL 60045, (US)

PATENT (CC, No, Kind, Date):

WO 200189285 011129

APPLICATION (CC, No, Date): EP 2001939168 010518; WO 2001US16269 010518

PRIORITY (CC, No, Date): US 205405 P 000519; US 610391 000705

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;

LU; MC; NL; PT; SE; TR  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: G06F-017/00  
LANGUAGE (Publication,Procedural,Application): English; English; English

INVENTOR:

**SCHLACHTENHAUFEN** , John, Jeffrey...

1/3,K/5 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00870074

**APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST  
DISPOSITIFS ET PROCEDES POUR LA SELECTION D'EXPLOITATIONS APPROPRIEES A UNE  
CULTURE DONNEE**

Patent Applicant/Assignee:

RENESSEN LLC, Suite 300, 3000 Lakeside Drive, Bannockburn, IL 60015, US,  
US (Residence), US (Nationality)

Inventor(s):

HAY Norman, 2855 Somerset Lane, Orono, MN 55356, US,

**SCHLACHTENHAUFEN** John Jeffrey, 1204 Inverlieth Road, Lake Forest, IL  
60045, US,

ULRICH James Francis, 11 East Louis Avenue, Lake Forest, IL 60045, US,

BARNETT Bruce H, 671 South Balmoral Court, Lake Forest, IL 60045, US,

BARCLAY Robert Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047, US

Legal Representative:

FLIGHT James A (agent), Marshall, O'Toole, Gerstein, Murray & Borun, 6300

Sears Tower, 233 South Wacker Drive, Chicago, IL 60606, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200203307 A2 20020110 (WO 0203307)

Application: WO 2001US20294 20010626 (PCT/WO US0120294)

Priority Application: US 2000215982 20000705; US 2000626576 20000727

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 14617

Inventor(s):

... **SCHLACHTENHAUFEN** John Jeffrey

1/3,K/6 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00857784

**METHODS AND APPARATUS FOR DEVELOPING AN OPTIMIZED LIVESTOCK PRODUCTION  
PLAN, FOR AUTOMATICALLY EXECUTING COMMERCIAL TRANSACTIONS IN SUPPORT  
THEREOF AND FOR ANALYZING ECONOMIC FACTORS PERTAINING THERETO**

**PROCEDES ET APPAREIL PERMETTANT DE DEVELOPPER UN PLAN DE PRODUCTIONS  
ANIMALES OPTIMISE AFIN D'EXECUTER AUTOMATIQUEMENT DES TRANSACTIONS  
COMMERCIALES QUI LE SOUTIENNENT ET D'ANALYSER LES FACTEURS ECONOMIQUES  
QUI S'Y RAPPORTENT**

Patent Applicant/Assignee:

RENESSEN LLC, 3000 Lakeside Dr., Suite 300, Bannockburn, IL 60015, US, US  
(Residence), US (Nationality)

Inventor(s):

**SCHLACHTENHAUFEN** John Jeffrey, 1204 Inverlieth Road, Lake Forest, IL  
60045, US,



HAY Norman, 2855 Somerset Lane, Orono, MN 55356, US,  
ADRIAENS Francis Andre Raymond Michel, 905 Morningside Drive, Lake  
Forest, IL 60045, US,  
BARCLAY Robert Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047, US

BARNETT Bruce H, 671 South Balmoral Court, Lake Forest, IL 60045, US  
Legal Representative:

FLIGHT James A (agent), Marshall, O'Toole, Gerstein, Murray & Borun, 6300  
Sears Tower, 233 South Wacker Drive, Chicago, IL 60606, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200189285 A2 20011129 (WO 0189285)

Application: WO 2001US16269 20010518 (PCT/WO US0116269)

Priority Application: US 2000205405 20000519; US 2000610391 20000705

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 26013

Inventor(s):

**SCHLACHTENHAUFEN** John Jeffrey...

2/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

010286612 \*\*Image available\*\*  
WPI Acc No: 1995-187871/199525  
XRAM Acc No: C95-087156  
XRPX Acc No: N95-147186

Boiling point temp. indicator for quality testing, e.g. absorbed water  
content of vehicle brake fluid, alcohol content of wine, etc. - has  
heater for receptacle for liquid and vibration sensor activating temp.  
responsive device to provide signal indicative of liquid temperature

Patent Assignee: HAY N M (HAYN-I)  
Inventor: HAY N M  
Number of Countries: 001 Number of Patents: 002  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
GB 2284265 A 19950531 GB 9324301 A 19931125 199525 B  
GB 2284265 B 19970514 GB 9324301 A 19931125 199722

Priority Applications (No Type Date): GB 9324301 A 19931125

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
GB 2284265 A 9 G01N-025/08  
GB 2284265 B G01N-025/08  
Inventor: HAY N M

2/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

009188036  
WPI Acc No: 1992-315475/199238  
XRAM Acc No: C92-140145

Compsn. for attracting male mullein bugs, *Campylomma verbasici* - comprises  
a mixt. of butyl butyrate and 2-(E)-crotyl butyrate

Patent Assignee: PHERO TECH INC (PHER-N)  
Inventor: BORDEN J H; CHONG L J; HAY N W ; PIERCE H D; SMITH R F  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5143725	A	19920901	US 90620279	A	19901130	199238 B

Priority Applications (No Type Date): US 90620279 A 19901130

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 5143725 A 7 A61K-031/235

...Inventor: HAY N W

2/3,K/3 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

003587379  
WPI Acc No: 1983-D5576K/198311  
XRPX Acc No: N83-046719

Power supply connector and intake section for toy track - has strip  
contacts on connector which make direct contact with projections on track  
section

Patent Assignee: NGAI M-H (NGAI-I)  
Inventor: HAY N M  
Number of Countries: 001 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2104787	A	19830316	GB 8217031	A	19820611	198311 B

GB 2104787 B 19850703

198527

Priority Applications (No Type Date): GB 8126322 A 19810828; GB 8217031 A 19820611

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2104787	A		6		

Inventor: HAY N M

2/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003289973

WPI Acc No: 1982-D7984E/198214

**Toy race track connector - has plate with latching cars inserted into shaped aperture in track section**

Patent Assignee: HAY N M (HAYN-I); NGAI M H (NGAI-I)

Inventor: HAY N M ; NGAI M H

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2084031	A	19820407	GB 8031172	A	19800926	198214 B
GB 2084031	B	19840531				198422

Priority Applications (No Type Date): GB 8031172 A 19800926

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2084031	A		4		

Inventor: HAY N M ...

2/3,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2002 Thomson Derwent. All rts. reserv.

003071243

WPI Acc No: 1981-H1282D/198131

Related WPI Acc No: 1981-H1281D

**Record player with turntable rotatable by electric motor - has speaker movable about spigot under bias spring and tone arm with stylus movable against return arm spring**

Patent Assignee: NGAI MUN HAY (MUNH-I)

Inventor: HAY N M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2067818	A	19810730				198131 B

Priority Applications (No Type Date): GB 8032133 A 19801006; GB 802091 A 19800122; GB 8010959 A 19800401

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2067818	A		11		

Inventor: HAY N M

2/3,K/6 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2002 European Patent Office. All rts. reserv.

01401460

**APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST**

**APPARAT UND VERFAHREN ZUM AUSWAHLEN VON LANDWIRTSCHAFTLICHEN BETRIEBEN FUR**

**DEN ANBAU EINER FELDFRUCHT  
DISPOSITIFS ET PROCEDES POUR LA SELECTION D'EXPLOITATIONS APPROPRIEES A UNE  
CULTURE DONNEE**

**PATENT ASSIGNEE:**

Renessen LLC, (3269930), 3000 Lake Side Drive, 300 S, Bannockburn, IL  
60015, (US), (Applicant designated States: all)

**INVENTOR:**

**HAY, Norman** , 2855 Somerset Lane, Orono, MN 55356, (US)

SCHLACHTENHAUFEN, John, Jeffrey, 1204 Inverlieth Road, Lake Forest, IL  
60045, (US)

ULRICH, James, Francis, 11 East Louis Avenue, Lake Forest, IL 60045, (US)

BARNETT, Bruce, H., 671 South Balmoral Court, Lake Forest, IL 60045, (US)

BARCLAY, Robert, Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047,  
(US)

**PATENT (CC, No, Kind, Date):**

WO 200203307 020110

**APPLICATION (CC, No, Date):** EP 2001950488 010626; WO 2001US20294 010626

**PRIORITY (CC, No, Date):** US 215982 P 000705; US 626576 000727

**DESIGNATED STATES:** AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

**EXTENDED DESIGNATED STATES:** AL; LT; LV; MK; RO; SI

**INTERNATIONAL PATENT CLASS:** G06F-019/00

**LANGUAGE (Publication,Procedural,Application):** English; English; English

**INVENTOR:**

**HAY, Norman** ...

**2/3,K/7** (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2002 European Patent Office. All rts. reserv.

01384906

**METHODS AND APPARATUS FOR DEVELOPING AN OPTIMIZED LIVESTOCK PRODUCTION  
PLAN, FOR AUTOMATICALLY EXECUTING COMMERCIAL TRANSACTIONS IN SUPPORT  
THEREOF AND FOR ANALYZING ECONOMIC FACTORS PERTAINING THERETO  
VERFAHREN UND SYSTEM ZUR ENTWICKLUNG EINER OPTIMIERTEN TIERHALTUNG  
PROCEDES ET APPAREIL PERMETTANT DE DEVELOPPER UN PLAN DE PRODUCTIONS  
ANIMALES OPTIMISE AFIN D'EXECUTER AUTOMATIQUEMENT DES TRANSACTIONS  
COMMERCIALES QUI LE SOUTIENNENT ET D'ANALYSER LES FACTEURS ECONOMIQUES  
QUI S'Y RAPPORTENT**

**PATENT ASSIGNEE:**

Renessen LLC, (3269930), 3000 Lake Side Drive, 300 S, Bannockburn, IL  
60015, (US), (Applicant designated States: all)

**INVENTOR:**

SCHLACHTENHAUFEN, John, Jeffrey, 1204 Inverlieth Road, Lake Forest, IL  
60045, (US)

**HAY, Norman** , 2855 Somerset Lane, Orono, MN 55356, (US)

ADRIAENS, Francis, Andre, Raymond, Michel, 905 Morningside Drive, Lake  
Forest, IL 60045, (US)

BARCLAY, Robert, Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047,  
(US)

BARNETT, Bruce, H., 671 South Balmoral Court, Lake Forest, IL 60045, (US)

**PATENT (CC, No, Kind, Date):**

WO 200189285 011129

**APPLICATION (CC, No, Date):** EP 2001939168 010518; WO 2001US16269 010518

**PRIORITY (CC, No, Date):** US 205405 P 000519; US 610391 000705

**DESIGNATED STATES:** AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

**EXTENDED DESIGNATED STATES:** AL; LT; LV; MK; RO; SI

**INTERNATIONAL PATENT CLASS:** G06F-017/00

**LANGUAGE (Publication,Procedural,Application):** English; English; English

**INVENTOR:**

... US)

**HAY, Norman** ...

2/3,K/8 (Item 3 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2002 European Patent Office. All rts. reserv.

01244285

**TRANSFORMER COIL SUPPORT STRUCTURE**  
**SPULENTRAGERANORDNUNG FUR EINEN TRANSFORMATOR**  
**STRUCTURE DE SUPPORT DE BOBINE DE TRANSFORMATEUR**  
PATENT ASSIGNEE:

SQUARE D COMPANY, (2056900), 1415 South Roselle Road, Palatine, IL 60067,  
(US), (Applicant designated States: all)

INVENTOR:

HAY, Noah, D. , 506 North Main Street, Wingate, NC 28174, (US)

KING, Gary, D., 2268 Redwood Drive, Matthews, NC 28104, (US)

LEGAL REPRESENTATIVE:

Gray, John James (69603), Fitzpatrick's, 4 West Regent Street, Glasgow G2  
1RS, (GB)

PATENT (CC, No, Kind, Date): EP 1105892 A1 010613 (Basic)

WO 200077801 001221

APPLICATION (CC, No, Date): EP 2000932239 000510; WO 2000US12739 000510

PRIORITY (CC, No, Date): US 334230 990616

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H01F-027/30; H01F-041/12

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

INVENTOR:

HAY, Noah, D ...

2/3,K/9 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00870074

**APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST**  
**DISPOSITIFS ET PROCEDES POUR LA SELECTION D'EXPLOITATIONS APPROPRIEES A UNE**  
**CULTURE DONNEE**

Patent Applicant/Assignee:

RENESSEN LLC, Suite 300, 3000 Lakeside Drive, Bannockburn, IL 60015, US,  
US (Residence), US (Nationality)

Inventor(s):

HAY Norman , 2855 Somerset Lane, Orono, MN 55356, US,

SCHLACHTENHAUFEN John Jeffrey, 1204 Inverlieth Road, Lake Forest, IL  
60045, US,

ULRICH James Francis, 11 East Louis Avenue, Lake Forest, IL 60045, US,

BARNETT Bruce H, 671 South Balmoral Court, Lake Forest, IL 60045, US,

BARCLAY Robert Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047, US

Legal Representative:

FLIGHT James A (agent), Marshall, O'Toole, Gerstein, Murray & Borun, 6300  
Sears Tower, 233 South Wacker Drive, Chicago, IL 60606, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200203307 A2 20020110 (WO 0203307)

Application: WO 2001US20294 20010626 (PCT/WO US0120294)

Priority Application: US 2000215982 20000705; US 2000626576 20000727

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 14617

Inventor(s):

**HAY Norman** ...

2/3,K/10 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00857784

**METHODS AND APPARATUS FOR DEVELOPING AN OPTIMIZED LIVESTOCK PRODUCTION PLAN, FOR AUTOMATICALLY EXECUTING COMMERCIAL TRANSACTIONS IN SUPPORT THEREOF AND FOR ANALYZING ECONOMIC FACTORS PERTAINING THERETO**  
**PROCEDES ET APPAREIL PERMETTANT DE DEVELOPPER UN PLAN DE PRODUCTIONS ANIMALES OPTIMISE AFIN D'EXECUTER AUTOMATIQUEMENT DES TRANSACTIONS COMMERCIALES QUI LE SOUTIENNENT ET D'ANALYSER LES FACTEURS ECONOMIQUES QUI S'Y RAPPORTENT**

Patent Applicant/Assignee:

RENESEN LLC, 3000 Lakeside Dr., Suite 300, Bannockburn, IL 60015, US, US  
(Residence), US (Nationality)

Inventor(s):

SCHLACHTENHAUFEN John Jeffrey, 1204 Inverlieth Road, Lake Forest, IL 60045, US,

**HAY Norman**, 2855 Somerset Lane, Orono, MN 55356, US,

ADRIAENS Francis Andre Raymond Michel, 905 Morningside Drive, Lake Forest, IL 60045, US,

BARCLAY Robert Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047, US

BARNETT Bruce H, 671 South Balmoral Court, Lake Forest, IL 60045, US

Legal Representative:

FLIGHT James A (agent), Marshall, O'Toole, Gerstein, Murray & Borun, 6300 Sears Tower, 233 South Wacker Drive, Chicago, IL 60606, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200189285 A2 20011129 (WO 0189285)

Application: WO 2001US16269 20010518 (PCT/WO US0116269)

Priority Application: US 2000205405 20000519; US 2000610391 20000705

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 26013

Inventor(s):

... **HAY Norman**

2/3,K/11 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00764371 \*\*Image available\*\*

**TRANSFORMER COIL SUPPORT STRUCTURE**

**STRUCTURE DE SUPPORT DE BOBINE DE TRANSFORMATEUR**

Patent Applicant/Assignee:

SQUARE D COMPANY, 1415 South Roselle Road, Palatine, IL 60067, US, US  
(Residence), US (Nationality)

Inventor(s):

**HAY Noah D**, 506 North Main Street, Wingate, NC 28174, US

KING Gary D, 2268 Redwood Drive, Matthews, NC 28104, US

Legal Representative:

GOLDEN Larry I, Square D Company, 1415 South Roselle Road, Palatine, IL

60067, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200077801 A1 20001221 (WO 0077801)

Application: WO 2000US12739 20000510 (PCT/WO US0012739)

Priority Application: US 99334230 19990616

Designated States: CA MX

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 4256

Inventor(s):

HAY Noah D ...

2/3,K/12 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2002 WIPO/Univentio. All rts. reserv.

00284493

**SILOXANE-IMIDE BLOCK COPOLYMERS FOR TOUGHENING EPOXY RESINS**

**COPOLYMERES BLOC DE SILOXANE-IMIDE SERVANT A DURCIR DES RESINES EPOXY**

Patent Applicant/Assignee:

KABUSHIKI KAISHA KOBE SEIKO SHO,

HAY Naysmith John,

WOODFINE Barry,

Inventor(s):

HAY Naysmith John ,

WOODFINE Barry

Patent and Priority Information (Country, Number, Date):

Patent: WO 9502642 A1 19950126

Application: WO 94JP1153 19940713 (PCT/WO JP9401153)

Priority Application: GB 9314457 19930713

Designated States: JP US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 4482

Inventor(s):

HAY Naysmith John ...

4/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

014327381 \*\*Image available\*\*  
WPI Acc No: 2002-148084/200219  
XRPX Acc No: N02-112217

**Internet-based farms selecting apparatus determines offers to be made to farms for growing specified crop, based on estimation of profits to be earned by farms for growing other crops**

Patent Assignee: RENESSEN LLC (RENE-N)

Inventor: BARCLAY R A; BARNETT B H; HAY N; SCHLACHTENHAUFEN J J; ULRICH J F

Number of Countries: 095 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200203307	A2	20020110	WO 2001US20294	A	20010626	200219 B

Priority Applications (No Type Date): US 2000626576 A 20000727; US 2000215982 P 20000705

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200203307	A2	E	74	G06F-019/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

**Internet-based farms selecting apparatus determines offers to be made to farms for growing specified crop, based on estimation of profits to be earned by farms for growing other crops**

...Inventor: ULRICH J F

Abstract (Basic):

... A competition analyzer estimates profits to be earned by **farms** for growing a crop different from the specified crop. An offer developer determines offers to be made to the **farms** for growing the specified crop, based on estimation result. A **farm** selector selects **farms** to receive the offer for growing the specified crop.

... An INDEPENDENT CLAIM is also included for **farm** selection method...

...For selecting **farms** for growing specified crop through Internet...

...choice for growing specified crops and efficiently determines offers which will be sufficiently attractive to **farmers** to persuade them to grow the specified crop rather than something else...

...Title Terms: **FARM** ;

4/3,K/2 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01401460

**APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST**  
**APPARAT UND VERFAHREN ZUM AUSWAHLEN VON LANDWIRTSCHAFTLICHEN BETRIEBEN FUR DEN ANBAU EINER FELDFRUCHT**

**DISPOSITIFS ET PROCEDES POUR LA SELECTION D'EXPLOITATIONS APPROPRIEES A UNE CULTURE DONNEE**

PATENT ASSIGNEE:

Renessen LLC, (3269930), 3000 Lake Side Drive, 300 S, Bannockburn, IL 60015, (US), (Applicant designated States: all)

INVENTOR:

HAY, Norman; 2855 Somerset Lane, Orono, MN 55356, (US)



SCHLACHTENHAUFEN, John, Jeffrey, 1204 Inverlieth Road, Lake Forest, IL 60045, (US)  
ULRICH, James, Francis , 11 East Louis Avenue, Lake Forest, IL 60045, (US)  
BARNETT, Bruce, H., 671 South Balmoral Court, Lake Forest, IL 60045, (US)  
BARCLAY, Robert, Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047, (US)

PATENT (CC, No, Kind, Date):

WO 200203307 020110

APPLICATION (CC, No, Date): EP 2001950488 010626; WO 2001US20294 010626

PRIORITY (CC, No, Date): US 215982 P 000705; US 626576 000727

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-019/00

LANGUAGE (Publication,Procedural,Application): English; English; English

**APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST**

INVENTOR:

... US)

ULRICH, James, Francis ...

4/3,K/3 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00750029

**STARCH AND MILLED GRAIN WITH A NOVEL GENOTYPE**

**STARKE UND GEMAHLENES KORN MIT EINEM NEUEN GENOTYP**

**AMIDON ET GRAIN MOULUE PRESENTANT UN GENOTYPE NOUVEAU**

PATENT ASSIGNEE:

E.I. DU PONT DE NEMOURS AND COMPANY, (200580), 1007 Market Street,

Wilmington Delaware 19898, (US), (Proprietor designated states: all)

INVENTOR:

PEARLSTEIN, Richard Warren, 12 Canoe Court, Newark, DE 19702-2302, (US)

ULRICH, James Francis , 113 West Shetland Court, Newark, DE 197111, (US)

LEGAL REPRESENTATIVE:

Dzieglewska, Hanna Eva et al (73231), Frank B. Dehn & Co., European

Patent Attorneys, 179 Queen Victoria Street, London EC4V 4EL, (GB)

PATENT (CC, No, Kind, Date): EP 765111 A1 970402 (Basic)

EP 765111 B1 990825

WO 9535027 951228

APPLICATION (CC, No, Date): EP 95923702 950614; WO 95US7056 950614

PRIORITY (CC, No, Date): US 261564 940617

DESIGNATED STATES: DE; ES; FR; IT; LU

INTERNATIONAL PATENT CLASS: A01H-005/10

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	9934	296
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CLAIMS B	(German)	9934	294
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CLAIMS B	(French)	9934	341
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SPEC B	(English)	9934	6492
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Total word count - document A	0
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Total word count - document B	7423
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Total word count - documents A + B	7423
------------------------------------	------

INVENTOR:

... US)

ULRICH, James Francis ...

...SPECIFICATION waxy maize is such that approximately 150,000 acres are grown in the United States. **Farmers** are paid a premium for growing specialty crops such as waxy maize because it is...

...like waxy maize a source of starch having properties superior to waxy starch and offers **farmers** the opportunity to grow a higher value crop than normal or waxy maize.

Purified starch...plant. In maize, grain is comprised of the mature kernels produced by growers for on **farm** use or for sale to customers while in potato and other tubers it is the...

4/3,K/4 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00656598

**STARCH AND MILLED GRAIN WITH A NOVEL GENOTYPE**  
**STARKE UND GEMAHLENES KORN MIT EINEM NEUEN GENOTYP**  
**AMIDON ET GRAINE MOULEE A GENOTYPE NOUVEAU**

PATENT ASSIGNEE:

E.I. DU PONT DE NEMOURS AND COMPANY, (200580), 1007 Market Street,  
Wilmington Delaware 19898, (US), (Proprietor designated states: all)

INVENTOR:

PEARLSTEIN, Richard, Warren, 12 Canoe Court, Newark, DE 19702, (US)

**ULRICH, James, Francis**, 113 West Shetland Court, Newark, DE 19711, (US)  
LEGAL REPRESENTATIVE:

Dzieglewska, Hanna Eva et al (73231), Frank B. Dehn & Co., European  
Patent Attorneys, 179 Queen Victoria Street, London EC4V 4EL, (GB)

PATENT (CC, No, Kind, Date): EP 691807 A1 960117 (Basic)

EP 691807 B1 990908

WO 9422291 941013

APPLICATION (CC, No, Date): EP 94911740 940329; WO 94US3398 940329

PRIORITY (CC, No, Date): US 40333 930330

DESIGNATED STATES: ES; FR; IT

INTERNATIONAL PATENT CLASS: A01H-005/10

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9936	216
CLAIMS B	(German)	9936	222
CLAIMS B	(French)	9936	253
SPEC B	(English)	9936	6696
Total word count - document A			0
Total word count - document B			7387
Total word count - documents A + B			7387

INVENTOR:

... US)

**ULRICH, James, Francis** ...

...SPECIFICATION waxy maize is such that approximately 150,000 acres are grown in the United States. **Farmers** are paid a premium for growing specialty crops such as waxy maize because it is...

...maize a source of starch having properties superior to waxy starch. Also, the invention offers **farmers** the opportunity to grow a higher value crop than normal or waxy maize.

Purified starch...plant. In maize, grain is comprised of the mature kernels produced by growers for on **farm** use or for sale to customers while in potato and other tubers it is the...

4/3,K/5 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00881499

**PRODUCTS COMPRISING CORN OIL AND CORN MEAL OBTAINED FROM HIGH OIL CORN**  
**PRODUITS CONTENANT DE L'HUILE ET DE LA SEMOULE DE MAIS OBTENUS A PARTIR DE**

**MAIS A FORTE TENEUR EN HUILE**

Patent Applicant/Assignee:

RENESSEN LLC, 3000 Lakeside Dr., Suite 300S, Bannockburn, IL 60015, US,  
US (Residence), US (Nationality), (For all designated states except:  
US)

Patent Applicant/Inventor:

**ULRICH James Francis**, 11 East Louis Ave., Lake Forest, IL 60045, US, US  
(Residence), US (Nationality), (Designated only for: US)

**JAKEL Neal Torrey**, 530 E. Burr Oak Dr., Lake Zurich, IL 60047, US, US  
(Residence), US (Nationality), (Designated only for: US)

**DYER Daniel Jeffrey**, 22874 Ridgewood Lane, Kildeer, IL 60047, US, US  
(Residence), US (Nationality), (Designated only for: US)

**LOHRMANN Troy Thomas**, 828 Longwood Dr., Lake Villa, IL 60036, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

**MATOS Rick** (agent), Innovar, L.L.C., P.O. Box 250647, Plano, TX  
75025-0647, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200213624 A1 20020221 (WO 0213624)

Application: WO 2000US22207 20000811 (PCT/WO US0022207)

Priority Application: WO 2000US22207 20000811

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 14781

Patent Applicant/Inventor:

**ULRICH James Francis** ...

Fulltext Availability:

Detailed Description

Detailed Description

... plants 'that - yield grain having elevated total oil concentrations is  
planted and harvested using known **farming** methods. Methods for  
developing corn inbreds, hybrids, transgenic species and populations that  
generate corn plants...

**4/3,K/6** (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00880507 \*\*Image available\*\*

**PRODUCTS COMPRISING CORN OIL AND CORN MEAL OBTAINED FROM HIGH OIL CORN**

**PRODUITS COMPRENANT DE L'HUILE DE MAIS ET TOURTEAU DE MAIS OBTENU A PARTIR  
DE MAIS RICHE EN HUILE**

Patent Applicant/Assignee:

RENESSEN LLC, Suite 300S, 3000 Lakeside Drive, Bannockburn, IL 60015, US,  
US (Residence), US (Nationality), (For all designated states except:  
US)

Patent Applicant/Inventor:

**ULRICH James Francis**, 11 East Louis Avenue, Lake Forest, IL 60045, US,  
US (Residence), US (Nationality), (Designated only for: US)

**JAKEL Neal Torrey**, 530 East Burr Oak Drive, Lake Zurich, IL 60047, US, US  
(Residence), US (Nationality), (Designated only for: US)

**LOHRMANN Troy Thomas**, 828 Longwood Drive, Lake Villa, IL 60036, US, US  
(Residence), US (Nationality), (Designated only for: US)

**MC WILLIAMS Paul J**, 4745 Ruby Avenue, Racine, WI 53402, US, US  
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BEAVER Michael J, 8767 RidgeBonds Drive, Victoria, MN 55386, US, US  
(Residence), US (Nationality), (Designated only for: US)  
AMORE Francis, 3630 Urbandale Lane N, Plymouth, MN 55446, US, US  
(Residence), US (Nationality), (Designated only for: US)  
Legal Representative:  
BRADY Matthew O (et al) (agent), Leydig, Voit & Mayer, LTD., Two  
Prudential Plaza, Suite 4900, 180 North Stetson, Chicago, IL 60601-6780  
, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200214459 A2 20020221 (WO 0214459)  
Application: WO 2001US25055 20010810 (PCT/WO US0125055)  
Priority Application: US 2000637843 20000810  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 18705  
Patent Applicant/Inventor:  
ULRICH James Francis ...  
Fulltext Availability:  
Detailed Description

Detailed Description

... plants that yield grain having elevated total oil concentrations is  
planted and harvested using known **farming** methods. Methods for  
developing corn inbreds, hybrids, transgenic species and populations that  
generate corn plants...

4/3,K/7 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00870074

**APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST  
DISPOSITIFS ET PROCEDES POUR LA SELECTION D'EXPLOITATIONS APPROPRIEES A UNE  
CULTURE DONNEE**

Patent Applicant/Assignee:  
RENESEN LLC, Suite 300, 3000 Lakeside Drive, Bannockburn, IL 60015, US,  
US (Residence), US (Nationality)  
Inventor(s):  
HAY Norman, 2855 Somerset Lane, Orono, MN 55356, US,  
SCHLACHTENHAUFEN John Jeffrey, 1204 Inverlieth Road, Lake Forest, IL  
60045, US,  
ULRICH James Francis , 11 East Louis Avenue, Lake Forest, IL 60045, US,  
BARNETT Bruce H, 671 South Balmoral Court, Lake Forest, IL 60045, US,  
BARCLAY Robert Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047, US  
Legal Representative:  
FLIGHT James A (agent), Marshall, O'Toole, Gerstein, Murray & Borun, 6300  
Sears Tower, 233 South Wacker Drive, Chicago, IL 60606, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200203307 A2 20020110 (WO 0203307)  
Application: WO 2001US20294 20010626 (PCT/WO US0120294)  
Priority Application: US 2000215982 20000705; US 2000626576 20000727  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 14617

## APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST

Inventor(s):

... ULRICH James Francis

Fulltext Availability:

Detailed Description

Claims

Detailed Description

APPARATUS AND METHODS

FOR SELECTING FARMS

TO GROW A CROP OF INTEREST

RELATED APPLICATIONS

This patent claims priority from U.S...

...The invention relates generally to, agriculture, and, more particularly, to apparatus and methods for selecting **farmers** and areas to grow a crop of interest and/or for performing economic analysis relating to such, **farms**

### BACKGROUND OF THE INVENTION

Today, most, crops grown in the world are grown without a contract to purchase those crops. Instead, in the typical scenario, **farmers** simply decide

which crop(s) to grow based on personal preferences, agronomic considerations (e.g., crop rotation, elevator requirements, etc.), and their expectations of future market conditions. The **farmers** then sell their crop(s) to a local elevator or loader which, in...

...value in comparison to their traditional counterparts. The advent of these specialty crops has provided **farmers** around the world with a wider range of crop choices and added a new level...

...iplasm, crop protection chemistries, fertilizer, etc.) have a substantial interest in placing their products with **farmers** who will succeed in using those products. As a result of this interest, it is likely that contract **farming** will increase in popularity in the coming years. Contract **farming** refers to situations in which a **farmer** contracts with a third party to grow crop(s) of a designated type. The third...

...of specialty traits, and/or a germplasm provider), an animal producer (e.g., a chicken **farmer**, a cattle rancher, etc.), a food processing entity (e.g., a producer of canned vegetables...

...the increasing availability of specialty crops is likely to lead to increasing levels of contract **farming** and complexity and, thus, greater integration in the agriculture system.

As contract **farming** becomes more popular, contracting entities such as, for example, agricultural entities (e.g., any provider...

...will have increasing incentive to minimize risk and identify preferred potential contracting partners (e.g., **farmers** in preferred geographic locations, etc.).

### BRIEF DESCRIPTION OF THE DRAWINGS

1 5 FIG. 1 is...

...the offer developer of FIG. 2.

FIG. 6 is a more detailed view of the **farm** selector of FIG. 2.

the steps of.  
developing a set of **farms** capable of growing a crop of interest;  
estimating profits to be earned by **farms** in the set of farms for  
growing  
at least one crop which is different from...

...of interest;  
analyzing at least one of the estimated profits and estimated yields of  
the **farms** to (inverted exclamation mark) identify an undervalued  
resource; and taking market action to secure the...

...farms capable of growing the crop of interest;  
56  
selecting farms from the identified **farms** to grow the crop of  
interest;  
contracting with at least some of the selected **farms** to grow the crop  
of  
interest; and  
managing the inventory based at least in part...

...of interest  
will have on a region of interest comprising the steps of  
identifying **farms** in the region of interest which are capable of  
growing  
the crop of interest;  
- 57...

...the region of interest;  
determining a second set of aggregated projected inputs and outputs of  
**farms** in the region of interest assuming the at least some of the  
**farms** replace  
the at least one of the products with the crop of interest; and  
computing...

4/3,K/8 (Item 4 from file: 349)  
DIALOG(R) File 349: PCT FULLTEXT  
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00822980

**HIGH OIL CORN PROCESSING**

**TRAITEMENT DES GRAINS DE MAIS A FORTE TENEUR EN HUILE**

Patent Applicant/Assignee:

CARGILL INCORPORATED, 15407 McGinty Road West, Wayzata, MN 55391, US, US  
(Residence), US (Nationality), (For all designated states except: US)

ANDERSON Beth R (legal representative of the deceased inventor), 4844  
11th Avenue South, Minneapolis, MN 55417, US, US (Residence), US  
(Nationality), (Designated only for: US)

Inventor(s):

ANDERSON Stephan C (deceased),

Patent Applicant/Inventor:

ULRICH James F, 19005 27th Avenue North, Plymouth, MN 55447, US, US  
(Residence), US (Nationality), (Designated only for: US)

PURTLE Ian, 18525 5th Avenue North, Plymouth, MN 55447, US, US  
(Residence), US (Nationality), (Designated only for: US)

SEYMOUR Gary, 10673 Grover Avenue S.W., Howard Lake, MN 55349, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

LUNDQUIST Ronald C (agent), Fish & Richardson P.C., P.A., 60 South Sixth  
Street, Suite 3300, Minneapolis, MN 55402, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200155283 A1 20010802 (WO 0155283)

Application: WO 2000US40997 20000926 (PCT/WO US0040997)

Priority Application: WO 2000US1861 20000127; US 2000636481 20000810

Parent Application/Grant:

Related by Continuation to: US 99249280 19990211 (CON); US 2000636481  
20000810 (CON)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5874

Patent Applicant/Inventor:

**ULRICH James F** ...

Fulltext Availability:

Detailed Description

Detailed Description

... that yield grain having elevated total oil concentrations can be  
planted and harvested using known **farming** methods. Methods 6 for  
developing corn inbreds, hybrids, and populations that generate corn  
plants producing...where oilseed processing plants that utilize flaking  
methods are physically located. The relevant audience includes **farmers** ,  
seed 5 corn dealers, oilseed processors, and other persons involved in  
the oilseed industry.

Suitable...

**4/3,K/9** (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00735326

**CORN PROCESSING**

**TRAITEMENT DU MAIS**

Patent Applicant/Assignee:

CARGILL INCORPORATED, 15407 McGinty Road West, Wayzata, MN 55391, US, US  
(Residence), US (Nationality), (For all designated states except: US)

ANDERSON Beth R, 4844 11th Avenue South, Minneapolis, MN 55417, US, US  
(Residence), US (Nationality), (Designated only for: US)

Inventor(s):

ANDERSON Stephan C,

Patent Applicant/Inventor:

**ULRICH James F** , 19005 27th Avenue North, Plymouth, MN 55447, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

LUNDQUIST Ronald C, Fish & Richardson P.C., P.A., Suite 3300, 60 South  
Sixth Street, Minneapolis, MN 55402, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200047702 A1 20000817 (WO 0047702)

Application: WO 2000US1861 20000127 (PCT/WO US0001861)

Priority Application: US 99249280 19990211

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5986

Patent Applicant/Inventor:

**ULRICH James F** ...

Fulltext Availability:

Detailed Description

Detailed Description

... yield grain having elevated total oil

5

concentrations can be planted and harvested using known **farming** methods. Methods for developing corn inbreds, hybrids, and populations that generate corn plants producing grain...where oilseed processing plants that utilize flaking methods are physically located. The relevant audience includes **farmers**, seed corn dealers, oilseed processors, and other persons involved in 5 the oilseed industry. Suitable...

4/3,K/10 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2002 WIPO/Univentio. All rts. reserv.

00316872

**STARCH AND GRAIN WITH A NOVEL GENOTYPE**

**AMIDON ET GRAIN PRESENTANT UN GENOTYPE NOUVEAU**

Patent Applicant/Assignee:

E I DU PONT DE NEMOURS AND COMPANY,  
PEARLSTEIN Richard Warren,  
ULRICH James Francis,

Inventor(s):

PEARLSTEIN Richard Warren,  
**ULRICH James Francis**

Patent and Priority Information (Country, Number, Date):

Patent: WO 9535027 A1 19951228

Application: WO 95US7056 19950614 (PCT/WO US9507056)

Priority Application: US 94261564 19940617

Designated States: AM AU BB BG BR BY CA CN CZ EE FI GE HU IS JP KG KP KR KZ

LK LR LT LV MD MG MN MX NO NZ PL RO RU SG SI SK TJ TM TT UA US UZ VN KE

MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG

CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 7298

Inventor(s):

... **ULRICH James Francis**

Fulltext Availability:

Detailed Description

Detailed Description

... waxy maize

is such that approximately 150,,000 acres are grown in the United States. **Farmers** are paid a premium for growing specialty crops such as waxy maize because it is...

...like waxy maize a source of

starch having properties superior to waxy starch and offers **farmers** the opportunity to grow a higher value crop than normal or waxy maize.

Purified starch...plant. In maize, grain is comprised of the mature kernels produced by growers for on **farm** use or for sale to customers while in potato and other tubers it is the...

4/3,K/11 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2002 WIPO/Univentio. All rts. reserv.

00304447

**CORN PLANTS AND PRODUCTS WITH IMPROVED OIL COMPOSITION**

**MAIS ET PRODUITS A COMPOSITION HUILEUSE AMELIOREE**

Patent Applicant/Assignee:

E I DU PONT DE NEMOURS AND COMPANY,  
LETO Kenneth Joseph,  
ULRICH James Francis,



Inventor(s):

LETO Kenneth Joseph,  
**ULRICH James Francis**

Patent and Priority Information (Country, Number, Date):

Patent: WO 9522598 A2 19950824

Application: WO 95US2076 19950215 (PCT/WO US9502076)

Priority Application: US 94196622 19940215

Designated States: AM AU BB BG BR BY CA CN CZ EE FI GE HU JP KG KP KR KZ LK

LR LT LV MD MG MN MX NO NZ PL RO RU SI SK TJ TT UA US UZ VN KE MW SD SZ

UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA

GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 15527

Inventor(s):

... **ULRICH James Francis**

Fulltext Availability:

Detailed Description

Detailed Description

... maize

is such that approximately 150,000 acres are grown in  
5 the United States. **Farmers** are paid a premium for  
growing specialty crops such as waxy maize because it is...

...cholesterol, the present

invention will have greater value than normal corn. The  
current invention offers **farmers** the opportunity to grow  
a higher value crop than normal maize.

Oil is obtained from...found in the

kernel. "Grain" comprises mature corn kernels produced  
by commercial growers for on **farm** use or for sale to  
customers in both cases for purposes other than growing  
or...

4/3,K/12 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00274115

**STARCH AND GRAIN WITH A NOVEL GENOTYPE**

**AMIDON ET GRAINE A GENOTYPE NOUVEAU**

Patent Applicant/Assignee:

E I DU PONT DE NEMOURS AND COMPANY,

Inventor(s):

PEARLSTEIN Richard Warren,

**ULRICH James Francis**

Patent and Priority Information (Country, Number, Date):

Patent: WO 9422291 A1 19941013

Application: WO 94US3398 19940329 (PCT/WO US9403398)

Priority Application: US 9340333 19930330

Designated States: AU BB BG BR BY CA CN CZ FI GE HU JP KG KP KR KZ LK LV MD

MG MN MW NO NZ PL RO RU SD SI SK TJ TT UA UZ VN AT BE CH DE DK ES FR GB

GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 7503

Inventor(s):

... **ULRICH James Francis**

Fulltext Availability:

Detailed Description

Detailed Description

... waxy maize

is such that approximately 150,000 acres are grown in  
the United States, **Farmers** are paid a premium for  
growing specialty crops such as waxy maize because it is...

6/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

014327381 \*\*Image available\*\*  
WPI Acc No: 2002-148084/200219  
XRPX Acc No: N02-112217

Internet-based farms selecting apparatus determines offers to be made  
to farms for growing specified crop, based on estimation of profits to  
be earned by farms for growing other crops  
Patent Assignee: RENESSEN LLC (RENE-N)  
Inventor: BARCLAY R A; BARNETT B H ; HAY N; SCHLACHTENHAUFEN J J; ULRICH J  
F  
Number of Countries: 095 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
WO 200203307 A2 20020110 WO 2001US20294 A 20010626 200219 B

Priority Applications (No Type Date): US 2000626576 A 20000727; US  
2000215982 P 20000705

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
WO 200203307 A2 E 74 G06F-019/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Internet-based farms selecting apparatus determines offers to be made  
to farms for growing specified crop, based on estimation of profits to  
be earned by farms for growing other crops  
...Inventor: BARNETT B H

Abstract (Basic):

... A competition analyzer estimates profits to be earned by farms  
for growing a crop different from the specified crop. An offer  
developer determines offers to be made to the farms for growing the  
specified crop, based on estimation result. A farm selector selects  
farms to receive the offer for growing the specified crop.  
... An INDEPENDENT CLAIM is also included for farm selection  
method...

...For selecting farms for growing specified crop through Internet...

...choice for growing specified crops and efficiently determines offers  
which will be sufficiently attractive to farmers to persuade them to  
grow the specified crop rather than something else...

...Title Terms: FARM ;

6/3,K/2 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2002 European Patent Office. All rts. reserv.

01401460  
APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST  
APPARAT UND VERFAHREN ZUM AUSWAHLEN VON LANDWIRTSCHAFTLICHEN BETRIEBEN FUR  
DEN ANBAU EINER FELDFRUCHT  
DISPOSITIFS ET PROCEDES POUR LA SELECTION D'EXPLOITATIONS APPROPRIEES A UNE  
CULTURE DONNEE  
PATENT ASSIGNEE:  
Renessen LLC, (3269930), 3000 Lake Side Drive, 300 S, Bannockburn, IL  
60015, (US), (Applicant designated States: all)  
INVENTOR:  
HAY, Norman, 2855 Somerset Lane, Orono, MN 55356, (US)  
SCHLACHTENHAUFEN, John, Jeffrey, 1204 Inverlieth Road, Lake Forest, IL

60045, (US)

ULRICH, James, Francis, 11 East Louis Avenue, Lake Forest, IL 60045, (US)

**BARNETT, Bruce, H.**, 671 South Balmoral Court, Lake Forest, IL 60045,  
(US)

BARCLAY, Robert, Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047,  
(US)

PATENT (CC, No, Kind, Date):

WO 200203307 020110

APPLICATION (CC, No, Date): EP 2001950488 010626; WO 2001US20294 010626

PRIORITY (CC, No, Date): US 215982 P 000705; US 626576 000727

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-019/00

LANGUAGE (Publication,Procedural,Application): English; English; English

**APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST**

INVENTOR:

... US)

**BARNETT, Bruce, H** ...

**6/3,K/3** (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00870074

**APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST**  
**DISPOSITIFS ET PROCEDES POUR LA SELECTION D'EXPLOITATIONS APPROPRIEES A UNE**  
**CULTURE DONNEE**

Patent Applicant/Assignee:

RENESSEN LLC, Suite 300, 3000 Lakeside Drive, Bannockburn, IL 60015, US,  
US (Residence), US (Nationality)

Inventor(s):

HAY Norman, 2855 Somerset Lane, Orono, MN 55356, US,

SCHLACHTENHAUFEN John Jeffrey, 1204 Inverlieth Road, Lake Forest, IL  
60045, US,

ULRICH James Francis, 11 East Louis Avenue, Lake Forest, IL 60045, US,

**BARNETT Bruce H**, 671 South Balmoral Court, Lake Forest, IL 60045, US,

BARCLAY Robert Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047, US

Legal Representative:

FLIGHT James A (agent), Marshall, O'Toole, Gerstein, Murray & Borun, 6300

Sears Tower, 233 South Wacker Drive, Chicago, IL 60606, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200203307 A2 20020110 (WO 0203307)

Application: WO 2001US20294 20010626 (PCT/WO US0120294)

Priority Application: US 2000215982 20000705; US 2000626576 20000727

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 14617

**APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST**

Inventor(s):

... **BARNETT Bruce H**

Fulltext Availability:

Detailed Description

Claims

Detailed Description

**APPARATUS AND METHODS**

selecti-ng fanns from the identified **farms** to grow the crop of  
interest;  
contracting with at least some of the selected **farms** to grow the crop  
of  
interest; and  
managing the inventory based at least in part...

...of interest

will have on a region of interest comprising the steps of  
identify@ng **farms** in the region of interest which are capable of  
growing  
the crop of interest;  
- 57...

...the region of interest;

determining a second set of aggregated projected inputs and outputs of  
**farms** in the region of interest assuming the at least some of the  
**farms** replace  
the at least one of the products with the crop of interest; and  
computing...

6/3,K/4 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00857784

**METHODS AND APPARATUS FOR DEVELOPING AN OPTIMIZED LIVESTOCK PRODUCTION  
PLAN, FOR AUTOMATICALLY EXECUTING COMMERCIAL TRANSACTIONS IN SUPPORT  
THEREOF AND FOR ANALYZING ECONOMIC FACTORS PERTAINING THERETO**

**PROCEDES ET APPAREIL PERMETTANT DE DEVELOPPER UN PLAN DE PRODUCTIONS  
ANIMALES OPTIMISE AFIN D'EXECUTER AUTOMATIQUEMENT DES TRANSACTIONS  
COMMERCIALES QUI LE SOUTIENNENT ET D'ANALYSER LES FACTEURS ECONOMIQUES  
QUI S'Y RAPPORTENT**

Patent Applicant/Assignee:

RENESSEN LLC, 3000 Lakeside Dr., Suite 300, Bannockburn, IL 60015, US, US  
(Residence), US (Nationality)

Inventor(s):

SCHLACHTENHAUFEN John Jeffrey, 1204 Inverlieth Road, Lake Forest, IL  
60045, US,

HAY Norman, 2855 Somerset Lane, Orono, MN 55356, US,

ADRIAENS Francis Andre Raymond Michel, 905 Morningside Drive, Lake  
Forest, IL 60045, US,

BARCLAY Robert Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047, US

**BARNETT Bruce H**, 671 South Balmoral Court, Lake Forest, IL 60045, US

Legal Representative:

FLIGHT James A (agent), Marshall, O'Toole, Gerstein, Murray & Borun, 6300  
Sears Tower, 233 South Wacker Drive, Chicago, IL 60606, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200189285 A2 20011129 (WO 0189285)

Application: WO 2001US16269 20010518 (PCT/WO US0116269)

Priority Application: US 2000205405 20000519; US 2000610391 20000705

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 26013

Inventor(s):

... **BARNETT Bruce H**

Fulltext Availability:

Detailed Description

Detailed Description

... of companies exist which produce  
and sell genetically engineered and/or quality bred seeds to **farmers** to  
produce crops with various improved quality traits. By way of example, a  
genetically engineered...strains of livestock have an incentive to  
provide animal producers 8 (e.g., ranchers and **farmers** ) with  
information about the animals they sell. For example, an animal stock  
provider 4 must...

6/3,K/5 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00757084 \*\*Image available\*\*

OBJECT ORIENTED SECURITY ANALYSIS TOOL

OUTIL D'ANALYSE DE SECURITE ORIENTE OBJETS

Patent Applicant/Assignee:

L-3 COMMUNICATIONS CORPORATION, 34th floor, 600 Third Avenue, New York,  
NY 10016, US, US (Residence), US (Nationality)

Inventor(s):

**BARNETT** Bruce G , 64 Calhoun Drive, Troy, NY 12182, US  
HARTMAN Michael J, 10 Spice Mile Blvd., Clifton Park, NY 12065, US  
BUSH Stephen F, 9 Sable Terrace, Latham, NY 12110, US  
STAUDINGER V Paul, 2161 Morrow Ave., Niskayuna, NY 12309, US

Legal Representative:

ROCCI Steven J, Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th  
floor, One Liberty Place, Philadelphia, PA 19103, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200070464 A1 20001123 (WO 0070464)

Application: WO 2000US12725 20000509 (PCT/WO US0012725)

Priority Application: US 99134090 19990514; US 99144319 19990716; US  
2000506022 20000217

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL

TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4840

Inventor(s):

**BARNETT** Bruce G ...

Fulltext Availability:

Claims

Claim

... 2, pages 3,5,9,11,5 8-60,8 1, III -----

Y 3

Y **FARMER** et al, The COPS Security Checker System, Purdue 3  
University Technical Report CSD-TR-993...

8/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

014327381 \*\*Image available\*\*

WPI Acc No: 2002-148084/200219

XRPX Acc No: N02-112217

**Internet-based farms selecting apparatus determines offers to be made  
to farms for growing specified crop, based on estimation of profits to  
be earned by farms for growing other crops**

Patent Assignee: RENESSEN LLC (RENE-N)

Inventor: BARCLAY R A ; BARNETT B H; HAY N; SCHLACHTENHAUFEN J J; ULRICH J  
F

Number of Countries: 095 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200203307	A2	20020110	WO 2001US20294	A	20010626	200219 B

Priority Applications (No Type Date): US 2000626576 A 20000727; US  
2000215982 P 20000705

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200203307 A2 E 74 G06F-019/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

**Internet-based farms selecting apparatus determines offers to be made  
to farms for growing specified crop, based on estimation of profits to  
be earned by farms for growing other crops**

Inventor: BARCLAY R A ...

Abstract (Basic):

... A competition analyzer estimates profits to be earned by **farms**  
for growing a crop different from the specified crop. An offer  
developer determines offers to be made to the **farms** for growing the  
specified crop, based on estimation result. A **farm** selector selects  
**farms** to receive the offer for growing the specified crop.

... An INDEPENDENT CLAIM is also included for **farm** selection  
method...

...For selecting **farms** for growing specified crop through Internet...

...choice for growing specified crops and efficiently determines offers  
which will be sufficiently attractive to **farmers** to persuade them to  
grow the specified crop rather than something else...

...Title Terms: FARM ;

8/3,K/2 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01401460

**APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST  
APPARAT UND VERFAHREN ZUM AUSWAHLEN VON LANDWIRTSCHAFTLICHEN BETRIEBEN FUR  
DEN ANBAU EINER FELDFRUCHT**

**DISPOSITIFS ET PROCEDES POUR LA SELECTION D'EXPLOITATIONS APPROPRIEES A UNE  
CULTURE DONNEE**

PATENT ASSIGNEE:

Renessen LLC, (3269930), 3000 Lake Side Drive, 300 S, Bannockburn, IL  
60015, (US), (Applicant designated States: all)

INVENTOR:

HAY, Norman, 2855 Somerset Lane, Orono, MN 55356, (US)

SCHLACHTENHAUFEN, John, Jeffrey, 1204 Inverlieth Road, Lake Forest, IL 60045, (US)  
ULRICH, James, Francis, 11 East Louis Avenue, Lake Forest, IL 60045, (US)  
BARNETT, Bruce, H., 671 South Balmoral Court, Lake Forest, IL 60045, (US)  
BARCLAY, Robert, Andrew, 21038 Woodbury Court, Hawthorn Woods, IL 60047, (US)

PATENT (CC, No, Kind, Date):

WO 200203307 020110

APPLICATION (CC, No, Date): EP 2001950488 010626; WO 2001US20294 010626

PRIORITY (CC, No, Date): US 215982 P 000705; US 626576 000727

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-019/00

LANGUAGE (Publication,Procedural,Application): English; English; English

**APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST**

INVENTOR:

... US)

BARCLAY, Robert, Andrew ...

8/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00870074

**APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST  
DISPOSITIFS ET PROCEDES POUR LA SELECTION D'EXPLOITATIONS APPROPRIEES A UNE  
CULTURE DONNEE**

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**APPARATUS AND METHODS FOR SELECTING FARMS TO GROW A CROP OF INTEREST**

Inventor(s):

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Detailed Description

Claims

Detailed Description

APPARATUS AND METHODS  
FOR SELECTING FARMS  
TO GROW A CROP OF INTEREST  
RELATED APPLICATIONS

This patent claims priority from U.S...

...The invention relates generally to, agriculture, and, more particularly, to apparatus and methods for selecting **farmers** and areas to grow a crop of interest and/or for performing economic analysis relating to such, **farms**.

BACKGROUND OF THE INVENTION

Today, most, crops grown in the world are grown without a contract to purchase those crops. Instead, in the typical scenario, **farmers** simply decide

which crop(s) to grow based on personal preferences, agronomic considerations (e.g., crop rotation, elevator requirements, etc.), and their expectations of future market conditions. The **farmers** then sell their crop(s) to a local elevator or loader which, in...

...value in comparison to their traditional counterparts. The advent of these specialty crops has provided **farmers** around the world with a wider range of crop choices and added a new level...

...iplasm, crop protection chemistries, fertilizer, etc.) have a substantial interest in placing their products with **farmers** who will succeed in using those products. As a result of this interest, it is likely that contract **farming** will increase in popularity in the coming years. Contract **farming** refers to situations in which a **farmer** contracts with a third party to grow crop(s) of a designated type. The third...

...of specialty traits, and/or a germplasm provider), an animal producer (e.g., a chicken **farmer**, a cattle rancher, etc.), a food processing entity (e.g., a producer of canned vegetables...

...the increasing availability of specialty crops is likely to lead to increasing levels of contract **farming** and complexity and, thus, greater integration in the agriculture system.

As contract **farming** becomes more popular, contracting entities such as, for example, agricultural entities (e.g., any provider...

...will have increasing incentive to minimize risk and identify preferred potential contracting partners (e.g., **farmers** in preferred geographic locations, etc.).

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is...

...the offer developer of FIG. 2.

FIG. 6 is a more detailed view of the **farm** selector of FIG. 2.

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FIGS. 7A-7B are flowcharts illustrating an example program for...

...forecast table.

FIGS. 9A-9B are a flowchart illustrating an example program for implementing the **farm** identifier and the competition analyzer of FIG. 2.

FIG. 10 illustrates sample transportation market...  
...2.



10 FIG. 13 is a flowchart illustrating an example program for implementing the **farm** selector of FIG. 2.

FIG. 14 is a flowchart illustrating one possible use of the...

...for enabling an agricultural entity such as a specialty product provider to (i) identify preferred **farms** to contract with to produce crop(s) of interest; (ii) to price their contracts at...farms, it is assumed that, to get farms to grow the product of interest, the **farms** must be offered a price which gives them at least as much profit as other...

...the crop planner 10. Instead, these competing crops include any crop that competes for the **farmer**'s land. Further, it is assumed that profit to the **farmer**, not revenue or unit price, is the deciding factor for selecting between crops from the farmer's perspective. Thus, a model for determining expected **farmer** profit is required by the crop planner 10.

With respect to buyers (e.g...

...such as specialty product providers, it is assumed that such entities interested in contracting with **farmers**; need to make a profit. Additionally, it is assumed that such entities wish to minimize...

...of the competitive landscape for these products.

The crop planner 10 also accesses a **farmer** database for each of the elevators and/or loaders. This database comprises information about the ...

...needed to calculate a revenue model for this particular farm.

Then, for each of the **farms**, the crop planner 10 inputs the competitive bids for different products into the revenue model...

...level for the product of interest, the crop planner 10 calculates the delivered cost (**farmer** cost plus storage cost plus transportation cost) of the product to the customer factory. Then...

...the product of interest. One of these criteria is volume (how many elevators and, thus, **farmers** are needed to meet: the sales targets). Another such criterion is an assessment of the...

...limited set of elevators and/or loaders, the crop planner 10 then accesses the **farmer** growing data set and identifies the **farmers** who meet a set of predetermined criteria for getting the product of interest grown.

Preferably after human approval, the crop planner 10 then makes contract offerings to the identified **farmers**. Should the initial **farmers** chosen not meet 15 the criteria (e.g., of volume), then the crop planner 10 goes to the next best alternative elevators and/or **farmers**.

In this way, the crop planner offers a way for a specialty product provider to...containing data indicative of types of products that may be grown by a plurality of **farms**, (b) an elevator database 225 containing data indicative of types and quantities of products...

...of types of transportation available for transporting a product from at least one of a **farm**, an elevator and a loader; and (g) a **farm** database 32 - 9 containing data indicative of at least one of (i) agronomic characteristics of a farm and (ii) geographic information concerning a **farm**. The farm database 32 is preferably a database of all **farmers** particularly those who might wish to contract, have contracted, or are existing contract partners of...

- ...entity of interest. The fann database 32 preferably contains data indicative of characteristics of individual **farms** such as fann location, acreage, type, soil type, soil structure, climate, fanning practice(s), crop...
- ...the database(s) 14, 15, the crop planner 1 0 is further provided with a **farm** identifier 40. As shown in FIG. 2, the **farm** identifier 40 is preferably in communication with the local database 14, and may also be ...
- ...handle the crop of interest; (c) farin capability to grow the crop of interest; (d) **farm** capability to grow a predefined quantity of the crop of interest, and (e) **farm** capability to grow the crop of interest within a predetermined schedule.

A more detailed view of the **farm** identifier 40 is shown in FIG. 3. As shown in that figure, the **farm** identifier 40 preferably includes an elevator/loader discriminator 42 and a **farm** discriminator 44. The elevator/loader discriminator 42 identifies elevator/loaders that cannot handle the crop...

- ...discriminator 44, on the other hand, cooperates with the elevator/loader discriminator 42 to eliminate **farms** from the set of fanns under consideration for growing the crop of interest. The fann discriminator 44 0 eliminates those **farms** that (i) are associated with only elevators and/or loaders identified by the elevator/loader...
- ...or (ii) are otherwise incapable of growing the crop of interest. The elimination of such **farms** is performed by accessing ...entity at issue. The output of the farin identifier 40 is preferably a subset of **farms** capable of growing the crop of interest.

The crop planner 1 0 is flirther provided...

- ...via the communicafion device 38.

The competition analyzer 50 estimates profits to be earned by **farms** in the subset of **farms** developed by the **farm** identifier 40 for growing at least one crop which is different from the crop of interest...

- ...fanner will likely seek to maximize his/her profits within the constraints of his/her **farm**. Thus, subject to crop rotation requirements, a fanner is likely to plant the crop with...
- ...if an agricultural entity such as a specialty product provider wishes to contract with that **farmer** to plant a specific crop, the agricultural entity must price the retum to the **farmer** at a level sufficient to interest the fanner, namely, at a level competitive with the alternative crops the **farmer** can grow. The competition analyzer 50 performs the analysis needed to identify the profit alternatives available to the **farmer** for later use by the crop planner 1 0 in developing the offer to be made 0 to the **farmer**.

As shown in FIG. 4, the competition analyzer 50 includes a profit estimator 52 and a product selector 54. For each of the **farmers** in the set of **farms** developed by the fann identifier 40, the profit estimator 52 estimates a profit the fanner...

- ...fann database 32 to detennine the types and quantities of the alternative crops which the **farm** can grow and by accessing the product market database 26 (which is preferably implemented by...
- ...time). Anned with this infonnation, the profit estimator 52 calculates the estimated profit(s) the **farm** can achieve for each competitive product the **farm** - 13 can grow based on stored information relating to

that **farm** and/or estimated information based on profiling (e.g., comparing the demographic profile of the **farm** of interest to a corresponding baseline **farm** profile in a table of **farm** profiles).

Once the competitive profit(s) of the competing crop(s) are determined, the product...

...result includes the top several competitive crops and their associated profits to the 10 **farmer**). The profit estimator 52 and the product selector 54 cooperate to identify the most profitable...

...of interest (typically, the most profitable crop identified by the competition analyzer 50 for the **farm** in question, but possibly a less profitable crop as explained above). ...64 accesses a database of risk factors to identify risk factor(s) associated with the **farm** of interest. Risk factor(s) identified by the risk identifier 64 can be agronomic in...

...farm(s) to grow the 5 crop of interest to the agricultural entity. For each **farm**, the pricing engine 66 develops the price to be offered based upon: (a) the expected yield (inverted exclamation mark) of the subject **farm**, (b) the risk factor(s) for the subject farm, (c) the customer market price expected...

...be earned by the product of interest; (d) the profit to be earned by the **farm** for the competing product, and (e) the profit to be earned by the agricultural entity. Thus, the pricing engine calculates the price at which the **farm** (s) of interest would have a financial incentive to grow the crop of interest taking...

...by the agricultural entity based upon the preceding factors (a) through - 16 (e). If a **farm** under analysis is associated with more than one elevator and/or loader, the offer developer 60 preferably determines the possible offer based upon the elevator/loader that will enable that **farm** to earn the highest profit.

The output of the offer developer 60 is preferably a set of possible offers that could be made to **farms** capable of growing the crop of interest.

Such possible offers preferably specify the amount of acreage, the expected yield and the price to offer the **farmer**. Preferably, one possible offer is saved in association with each **farm** capable of growing the crop of interest.

Returning to FIG. 2, for the purpose of...

...0 is further provided with a farm selector 70. As shown in FIG. 2, the **farm** selector 70 is preferably in communication with the local database 14, and may also be...

...farm selector 70  
15 accesses these databases in making its selection. In particular, the **farm** selector 70 preferably selects farms based upon (i) the offers developed by the offer developer...

...to be charged consumers; (Y) transportation costs for transporting the crop of interest from a **farm** to a predefined location; (vi) transportation costs for transporting the crop of interest from a **farm** to a loader; (vi(inverted exclamation mark)) transportation costs for transporting the crop of interest from a **farm** to an elevator; (vii) transportation costs for transporting the crop of - 17 interest from an ...

...and; (xi) aggregate economic profiles of loaders associated with the farms in the set of **farms**.  
Preferably, the farm selector 70 includes a **farm** screener 72, an elevator/loader profiler 74, and an elevator/loader selector 76 as shown

...

- ...the competition analyzer 50, and/or the offer developer 60. The selection made by the **farm** screener 72 is preferably based on the factors mentioned above such as risk factor(s...
  - ...of an elevator/loader is developed by combining the cost/risk profile data of those **farms** serviced by that elevator/loader which are included in the preferred set identified by the...
  - ...ability to handle large volumes. Factors like these, together with the performance of the associated **farms**, would be summed by the elevator/loader profiler. Each of the summed factors is preferably... otherwise nonnormalized to permit comparison of the profiles of elevators/loaders servicing different numbers of **farms**.
- The elevator/loader selector 76 selects farms to receive an offer to 1 0 grow...s)/loader(s) from a cost and risk perspective, and then by selecting the best **farm** (s) from the farms associated 1 5 with the selected elevators/loaders up to the...
- ...1 0 is implemented to assist in determining offers which will be sufficiently attractive to **farmers** to persuade them to grow the crop of interest rather than something else. As will...
  - ...entered through a query and input type system.

In addition to the sales forecast table, **farms** and elevators/loaders to be included or excluded from consideration can optionally be input at...

- ...26, the transportation market prices database 28, the transportation database 30, and 1 5 the **farm** database 32, and use the data retrieved therefrom to respectively identify the farms capable of growing the crop of interest and to estimate the profits each such **farm** can attain for other products (inverted exclamation mark) it might grow (block 200). The **farms** capable of growing the product of interest and the "competing" products for each such **farm** are determined from what the elevators/loaders "servicing" each such **farm** will purchase. As explained below, other factors are also considered in the **farm** capability determination.

In order to estimate the profits for growing competing products, the crop planner...

- ...The farm revenue model 1 1 0 preferably accesses the farm database 32 to determine **farm** specific data such as acreage, crops grown in the past, crop rotation schedule, acreage under... calculated by subtracting the estimated costs from the estimated revenues for each competing crop the **farm**, could produce.

Models for calculating the expected profits of a farm are currently available to...

- ...cffin.unin.edu/software/Marketeer/Default.htm). Another such product is sold under the tradename **FARM** -ASSIST by ZENEC AG PRODUCTS (see <http://www.farm-assist.com>). Any of those models can be used to implement the **farm** revenue model 1 10.

After the estimated profits for the competing products that can possibly be grown by the **farms** are calculated, at block 103 (FIG. 7B) the offer developer 60 determines the prices (i.e., the product prices at the elevator) to offer the **farmers** for growing the product of interest ("own product"). The offer developer 60 takes into account the level of profit for each **farmer** for competing products, and any premium to

be offered to the **farmer** to encourage acceptance of the offer. For example, **farmers** who are lower risk may be offered a higher premium.

After the possible offers are calculated, at block 104 the **farm** selector

70 performs the combined selection of **farms** and elevators/loaders to receive offers. As opposed to block 103, block 104 is performed...

...of buyers and the agronomic entity (e.g., a germplasm producer) seeking to contract with **farmers**. The selection is made to keep the price to the buyer 10 down while...

...to deliver the product, and the profit to be attained by the agronomic entity.

The **Farm** Identifier and Competition Analyzer

As mentioned above, the farm identifier 40 and the competition analyzer 50 cooperate to determine the competition for the **farmer**'s business (e.g., other crops that can be grown, and the profit associated with...

...test, the prices of the products handled by the elevator/loader are obtained. From the **farmer**'s viewpoint, this is the set of competing products which the **farm** might produce. Then, for each **farm** served by the elevator/loader, the farm revenue model 110 is run to determine the **farmer**'s return for each competing product.

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An exemplary program for implementing the farm...

...a loader capable of handling the crop of interest is identified at block 203, the **farm** discriminator 44 of the **farm** identifier 40 accesses the elevator/loader database 22, 24, the transportation database 30 and the...

...to determine the delivery schedules, quantities, and costs expected throughout the logistics chain for the **farm** in question to meet the business objectives of the agricultural entity. As part of this process, the **farm** discriminator 44 determines possible transportation options from the elevator/loader to the buyer. Based upon...

...applicable limitations (e.g., destination can only handle so many trucks at one time), the **farm** discriminator 44 determines 15 the product delivery schedule and quantity to the transportation system...

...timely deliveries to the buyer. Based upon the elevator/loader logistics and shrinkage characteristics, the **farm** discriminator 44 also determines the product delivery schedule and quantity to the elevator/loader (from the **farmer**). Transportation costs are captured for use later. (See the exemplary tables of FIG. 10.) For the null ("d(inverted exclamation mark)rect to buyer) elevator/loader, the **farm** discriminator 44 produces a schedule with instantaneous delivery, no shrinkage, and no cost.

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At each of the farms associated with the elevator/loader under consideration. Specifically block 206, the **farm** discriminator 44 determines if there is a farm associated.

with the candidate elevator/loader that...

...to block 201 of FIG. 9A. Otherwise, control proceeds to block 208 where the next **farm** is identified for analysis.

Assuming there is a farm that has not yet been analyzed, at block 208 the farm discriminator 44 accesses the product database 20 and the farm database 32 to obtain data...

...the agronomic requirements of the 15 crop of interest and the capabilities of the farm under consideration. If a comparison of the agronomic requirements and the capabilities of the farm reveals that the farm under consideration is incapable of handling the crop of interest within the confines of the delivery schedule specified in the sales forecast table, the farm discriminator 44 eliminates that farm from consideration. Control then returns to block 207 where the next farm (if any) is identified. Control continues to loop through blocks 207-209 until all of the farms in the set of candidate farms have been considered or until a farm capable of handling the crop of interest is identified at block 209.

- 27  
In the...

...use at block 209 (e.g., maximum geographic distance to the buyer).

Assuming that a farm capable of handling the crop, of interest is identified at block 209, control proceeds to block 210. At block 210, the profit estimator 52 of...

...product which can be bought by the elevator, and which can be produced by the farm (determined via the farm database 32), the farm revenue model 110 is executed to estimate the profit the farm can make on those product(s). After each competitive product is analyzed for the subject farm, control proceeds to block 211.

At block 211, the product selector 54 of...

...storage constraints, e.g., 1-3 products. Control then returns to block 207 where the farm discriminator 44 of the farm identifier 40 determines if more farms are available for consideration. Control continues to loop through blocks 207-211 until the best competitive profit/product(s) are identified for every farm capable of growing the crop of interest and associated with the current elevator/loader. When...

...developer 60 which determines the offer which will be made to a farm if that farm is selected to participate is shown in FIG. 12. This program corresponds to block 103...

...10 FIG. 7B.

At block 300, the offer developer 60 accesses the set of farms identified by the farm identifier 40 and analyzed by the competition analyzer 50.

Blocks 301 and 302 control iterating through each of the farms in the 15 set. Specifically, at block 301, the offer developer 60 determines if there are any farms in the set of candidate farms that have not yet been analyzed by the offer developer 60. If not, the offer...

...FIG. 7B. Otherwise, control proceeds to block 302 where the next farm is identified for analysis.

In some cases a farm may be serviced by more than one elevator/loader (one of the options may be the null elevator/loader). At block 303, the offer developer 60 determines if the current farm is serviced by more than one

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elevator/loader, If there is only one elevator/loader for the **farm**, that elevator/loader and the highest profit base product associated with the elevator/loader pair is the best selection for the **farm**, and control proceeds to block 305. If there is more than one elevator/loader option for the **farm** (block 303), the offer developer 60 selects the elevator/loader which yields the best profit...

...made by comparing the estimated profits developed by the competition analyzer 50 for the subject **farm** for each of the elevator(s)/loader(s) with which the subject **farm** has an association.

1 0 Now knowing the profit that must be at least matched...

...quantity of the crop, of interest the **farm** can produce and a minimum price the **farmer** can be offered to interest him in growing the crop of interest (block 305). Execution to determine the expected yield of the **farm** and the expected total cost to the **farm** in producing that yield. The yield is...

...computing the amount of crop of interest that can be grown on the acreage the **farm** would otherwise use to grow the competing products. With the yield...

...the offer developer 60 can then determine a required price per unit to offer the **farmer** to at least equal the profit to be earned by the **farmer** for growing the best alternative crop. In other words, for the **farmer** to have an...

...the **farm** for growing the crop of interest

- 30 ~

less total costs incurred by the **farm** in that process should be greater than or equal to the competitive profit available to...

...growing the crop of interest, and. PC is the profits to be earned by the **farmer** for growing the competitive product. Stated differently,

$GR > PC + CT$

Since the product of price...

...identifier 64 of the offer developer 60 makes this determination by accessing data in the **farm** database 32 indicative of the risk profile of the **farm**. The result ((inverted exclamation mark...

...306 until the offer developer 60 has developed and saved a possible offer for every **farm** still under consideration.

The **Farm** Selector

1 0 An exemplary program for implementing the **farm** selector 70 which determines which **farm**s will receive an offer to participate is shown in ...

...contains information about the 15 elevator/loader which offers the best value to the **farmer** for competitive products, the price to offer to that **farmer** to grow the crop of interest instead of the competitive product, and other useful information.

At block 400, the **farm** screener 72 of the **farm** selector 70 determines the cost of transportation from the **farm** to the associated elevator/loader for

each record/ **farm**. In many cases this may be zero, ( **farmer** provided transportation). In the null, elevator/loader case, the cost of transporting the product directly...

...each elevator/loader in the set of records, the **farm** screener 72 selects the best **farm** (s) to produce the crop of interest (block 401).

The **farms** are selected based upon best value (cost, risk profile), limiting selection to elevator capacity or...

...to ensure no such assumptions were violated. If any such assumptions have been violated, the **farm** selector 70 aborts and the crop planner 10 begins to re-execute at the...

...aggregate cost and risk profile for each elevator/loader under consideration based upon the selected **farms** and the transportation costs (block 404).

At block 405, the elevator/loader selector 76 of the **farm** selector 70 selects the elevator(s)/loader(s) with the best cost/risk profile and the best **farm** (s) associated with those elevators/loaders to supply the total buyer - 33 quantity. The **farm** selector 70 can then (preferably after human approval), take steps to electronically contract to execute contract with **farmers**, stores, handlers and/or transporters via electronic exchange(s) to execute the plan. It is...

...the program to determine the next best alternative solution or solutions (e.g., a different **farmer** and/or a less costly competitive crop). This reiteration procedure continues until the solution set...

...develop information of interest to an agricultural entity such as a specialty product provider, a **farmer**, an animal producer, an ingredient supplier (including, for example, a money lender), and...

...the crop planner 10 to develop a plan for the region of interest which selects **farms** and identifies offers for those **farms** as explained above without contacting the **farms** to implement the plan. The crop planner 10 can then sum the expected profits that the **farm** would earn if they agreed to contract under the plan. This sum is an estimate...

...because the crop planner 10 calculates the expected profits to be earned by each **farm** in the region of interest for growing crops competitively with the crop of interest, the...

...crop of interest is not grown to respectively determine (a) the expected profit of all **farms** in the region if the 10 plan is accepted, and (b) the expected profit of all **farms** in the region if the plan is rejected. The results of these calculations <a> and <b> can then be compared to estimate the regional effect on **farm** profits for growing the crop of interest under the plan developed by the crop planner...

...area, a continent, the world, etc.) (Block 700) This geographic specification is used by the **farm** identifier 40 to develop the set of **farms** under analysis.

At block 702, the crop planner 10 is executed to determine the expected profit of each **farm** in the region of interest assuming no plan is implemented to grow the crop of interest. The profits identified by this - 36 analysis are then summed across all **farms** in the region of interest. (Block 704).

The crop planner 10 is then executed...

...in the region of interest assuming the plan is executed are then summed across all **farms** (Block 708). The difference between the aggregate profits of the **farms** with and without the...

...example, the apparatus and/or methods can be used to develop economic information relating to **farms** and derivative markets 15 associated with **farm** activity and/or profitability. More specifically...if the crop of interest and the displaced crops require different inputs (e.g., fertilizers, **farming** machinery, insecticides, etc.), an impact on those input markets would be expected in the form...



...decreased demand. Additionally, if the crop of interest results in an increase in profitability for **farmers** in a region, the land values in that region can possibly be positively affected.

1...

...the user. This information is developed by comparing the aggregated inputs and outputs of the **farms** in the region of interest assuming the plan to grow the crop of interest is not implemented, with the , 1 5 corresponding aggregate inputs and outputs of the **farms** in that same region assuming the plan developed by the crop planner 10 is implemented...

...aggregate positive, negative or zero effect on the various markets supplying and supplied by the **farms** in the region. These economic effect(s) can be reviewed before any contracting under the...

...crop planner 1 0 is executed to determine the expected inputs and outputs of each **farm** in the region of interest assuming no plan is implemented to contract grow the crop...

...in connection with FIGS. 7-13 (Block 806). The expected inputs and outputs of each **farm** in the region assuming the plan is executed are summed and stored 5 (Block...

...12).

The user can then analyze the differences and, before executing the plan to contract **farm** the crop of interest, instruct the electronic buying and selling agents to take market action...

...taken to take advantage of produced. changes in the demand for input(s) to a **farm** , changes in land value, and/or changes in the transportation market(s) expected to be...

...is meant to encompass the singular and/or the plural.

As used herein, the term "**farm**" refers to one or more contiguous or non-contiguous plots of land capable of use...

...ordinary skill in the art will appreciate that two or more plots in a single **farm** may have the same or different environmental or geographic profiles and/or may be serviced...

#### Claim

... a database;  
a **fann** identifier in communication with the database to develop a set of **farms** capable of growing the crop of interest;  
a competition analyzer cooperating with the **farin** identifier to estimate profits to be earned by **fanns** in the set of **farms** for growing at least one crop  
which is different from the crop of interest;  
an...

...the at least  
one crop which is different from the crop of interest; and  
a **farm** selector cooperating with the offer developer to select **fan-n**s from the set of **fanns**...

...one of\* the estimated profits developed by the offer developer, risk estimations associated with the **farms** in the set of **farins**, profit to be earned by an agricultural company, price to...

...**fann** to a loader; transportation cost for transporting the crop of interest ~41 from a **farm** to an elevator; transportation cost for transporting the crop of interest from an elevator to...

...from a loader to the predefined location; aggregate economic profiles of elevators associated with the **farms** in the set of fanns; and aggregate economic profiles of loaders associated with the fanns in the set of **farms** .

3 An apparatus as defined in claim 1 wherein the **farm** identifier identifies the set of **farms** based upon at least one of. elevator capability to handle the crop of interest, loader...

...of interest, fann capability to grow a predefined quantity of the crop of interest, and **farm** capability to grow the crop of interest within a predetennined schedule.

4 An apparatus as...

...product database containing data indicative of types of products that may be grown by a **farm** , (b) an elevator database containing data indicative of types and quantities of produets that may

...

...of types of transportation available for transporting a product from at least one of a **farm** , an elevator and a loader; and (g) a **farm** database containing data indicative of at least one of agronomic characteristics of a fann and...

...wherein the fann identifier further comprises:

an. elevator/loader discriminator for developing the set of **farms** by (inverted exclamation mark)dentiffing elevators/loaders that cannot handle the crop of interest; and  
a farin discriminator cooperating with the elevator/loader discriminator for developing the set of **farms** by eliminating **farms** that are associated with only elevators/loaders identified by the elevator/loader discriminator from the 43 set of **farms** and by eliminating **farms** that cannot grow the crop of interest from the set of farins.

9 An apparatus...

...comprises:

a profit estimator for estimating a profit that a fann in the set of **farms** can expect to eam by growing the at least one crop which is different from...

...crop of interest to be produced by a fann of interest in the set of **farms** ; and

a pricing engine cooperating with the production estimator to develop a price to be...

...with the

- 44 database for (inverted exclamation mark)dentifying a risk factor associated with the **farm** of interest, wherein the pricing engine develops the price to be offered the fann of...

...economic

profile for each elevator/loader associated with a flann in the preferred set of

**farmers** ; and

an elevator/loader selector for selecting **farms** to receive an offer to grow the crop of interest based on the aggregate economic...

...the elevators are based at least in part upon cost and risk associated with the **farms** associated with the elevators.

17 An apparatus, as defined. in claim. 2 wherein. the aggregate...

...the loaders are based at least in part upon cost and risk associated with the **farms** associated with the loaders.

1 S. A method for selecting **farms** to grow a crop of interest comprising the steps of.

developing a set of **farms** capable of growing the crop of interest;

estimating profits to be earned by **farms** in the set of **farms** for growing

at least one crop which is different from the crop of interest;

46

determining possible offers to be made to the **farms** in the set of **farms**

based at least in part upon the estimated profits to...

...which is different from the crop of interest; and  
selecting **farms** from the set of **farms** to receive an offer to grow the crop of interest.

19 A method as defined...

...developed by the offer developer, risk estimations associated with the **farms** in the set of **farms**, profit to be earned by an agricultural company, price to be charged consumers, transportation cost...

...predefined location; transportation cost for transporting the crop of interest from a **farm** to an elevator; transportation cost for transporting the crop of interest from an elevator to...

...from a loader to the predefined location; aggregate economic profiles of elevators associated with the **farms** in the set of **farms**; and aggregate economic profiles of loaders associated with the **farms** in the set of **farms**.

20 A method as defined in claim 18 wherein the step of developing the set of **farms** is performed by considering at least one of: elevator capability to handle the crop of...

...to handle - 47

the crop of interest, **farm** capability to grow the crop of interest, **farm** capability to grow a predefined quantity of the Crop Of interest, and **farm** capability to grow the crop of interest within a predetermined schedule.

21 A method as defined in claim 18 wherein the step of developing the set of **farms** is performed by accessing a database.

22 A method as defined in claim 21 wherein...

...of types of transportation available for transporting a product from at least one of a **farm**, an elevator and a loader; and (g) a **farm** database containing data indicative of at least one of agronomic characteristics of a **farm** and...

...elevators/loaders that cannot handle the crop of interest; eliminating **farms** from the set of **farms** that are associated with only the elevators/loaders that cannot handle the crop of interest...

...there comprises the steps of: estimating a profit that a **farm** in the set of **farms** can expect to earn by growing the at least one crop which is different from interest in the set of **farms**; and developing a price to be offered the **farm** of interest to grow the estimated quantity of the crop of interest.

29- A method...

...factor.

30 A method as defined in claim 18 wherein the step of selecting **farms** further comprises the steps of selecting a preferred set of **farms** from the set of **farms**...

...an expected quantity;  
developing an aggregate economic profile for each elevator/loader associated with a **farm** in the preferred set of **farms**; and  
selecting **farms** to receive an offer to grow the crop of interest based

on the developed aggregate...

...in part upon at least one risk factor and profits to be earned by the **farms** in growing the crop of interest.

34 A method as defined in claim 19 wherein...

...with the farms associated with the loaders. - 51

. A method for estimating future profits for **farms** in a region of interest for growing a crop of interest, the method comprising the steps of.

identifying (inverted exclamation mark) **farms** in the region of interest; electronically accessing at least one on-line market to ascertain...

...region of interest;

determining profits to be earned by the at least some of the **farms** for growing the crop of interest; and summing the profits to be earned by the...

...interest;

a profit estimator in communication with the database for estimating a profit that the **farmer** can expect to earn by growing at least one of the crops which are different...

...selected by the product selector.

38 A method for determining a price to offer a **farmer** to grow a crop of interest comprising the steps of accessing a database containing current...

...for crops

which are different from the crop of interest; estimating a profit that the **farmer** can expect to earn by growing at least one of the crops which are different...

...of interest;

estimating a quantity of the crop of interest to be produced by a **farmer**

on acreage associated with the selected crop; and

developing a price to be offered the **farmer** of interest to grow the estimated quantity of the crop of interest based at least in part on the profit that 53 the **farmer** can expect to earn by growing the selected crop which is different than the crop...

...factor associated with the farmer of interest; and

adjusting the price to be offered the **farmer** of interest to grow the quantity of the crop of interest based at least in...

...for developing economic information relating to

activities of farms comprising the steps of identifying **farms** capable of growing a crop of interest; electronically accessing ...supply of at least one product; (g) demand for at least one input to a **farm** ;

41 A method as defined in claim 40 further comprising the step of taking market...

...for securing a resource for growing crops comprising the steps of.

developing a set of **farms** capable of growing a crop of interest; estimating profits to be earned by **farms** in the set of farms for growing at least one crop which is different from...

...of interest;

analyzing at least one of the estimated profits and estimated yields of the **farms** to (inverted exclamation mark) identify an undervalued resource; and taking market action to secure the...

...farms capable of growing the crop of interest;

56

selecti-ng fanns from the identified farms to grow the crop of interest;  
contracting with at least some of the selected farms to grow the crop of interest; and  
managing the inventory based at least in part...

...of interest

will have on a region of interest comprising the steps of  
identifyng farms in the region of interest which are capable of growing  
the crop of interest;  
- 57...

...the region of interest;

detenuining a second set of agoregated projected inputs and outputs of farms in the region of interest assuming the at least some of the farms replace  
the at least one of the products with the crop of interest; and  
computing...

8/3,K/4 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00857784

**METHODS AND APPARATUS FOR DEVELOPING AN OPTIMIZED LIVESTOCK PRODUCTION PLAN, FOR AUTOMATICALLY EXECUTING COMMERCIAL TRANSACTIONS IN SUPPORT THEREOF AND FOR ANALYZING ECONOMIC FACTORS PERTAINING THERETO**  
**PROCEDES ET APPAREIL PERMETTANT DE DEVELOPPER UN PLAN DE PRODUCTIONS ANIMALES OPTIMISE AFIN D'EXECUTER AUTOMATIQUEMENT DES TRANSACTIONS COMMERCIALES QUI LE SOUTIENNENT ET D'ANALYSER LES FACTEURS ECONOMIQUES QUI S'Y RAPPORTENT**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200189285 A2 20011129 (WO 0189285)

Application: WO 2001US16269 20010518 (PCT/WO US0116269)

Priority Application: US 2000205405 20000519; US 2000610391 20000705

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SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

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Publication Language: English

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Fulltext Word Count: 26013

Inventor(s):

... BARCLAY Robert Andrew

Fulltext Availability:  
Detailed Description

Detailed Description

... of companies exist which produce  
and sell genetically engineered and/or quality bred seeds to **farmers** to  
produce crops with various improved quality traits. By way of example, a  
genetically engineered...strains of livestock have an incentive to  
provide animal producers 8 (e.g., ranchers and **farmers** ) with  
information about the animals they sell. For example, an animal stock  
provider 4 must...

. Temp-SearchSave "TD046" stored  
 ?show files  
 File 348:EUROPEAN PATENTS 1978-2002/May W02  
 (c) 2002 European Patent Office  
 File 349:PCT FULLTEXT 1983-2002/UB=20020523,UT=20020516  
 (c) 2002 WIPO/Univentio  
 ?ds

Set	Items	Description
S1	846156	FARM? OR PHARM? ? OR PHARMING? OR FIELD? ? OR AGRICULTUR? - OR GRANG? OR HOMESTEAD? OR PLANTATION? OR HACIENDA? OR AREA? ? OR LAND? ? OR TRACT? OR REAL()ESTATE OR ACRE? OR RANCH? OR H- ECTARE?
S2	1220419	S1 OR CROP? ? OR TYPE? OR PLANT? OR MONEYCROP? OR (CROP? OR PRODUCT? ?) (1W)INTEREST? OR HARVEST? ? OR PRODUCE OR PRODUCT? OR AGRIBUSINESS? OR SPECIES? OR GREENHOUSE? OR AGROFORESTY?
S3	417658	S2(5N)(NEW? ? OR SECOND OR 2ND OR ADDITIONAL OR ALTERNATIV- E? OR DIFFERENT? OR SUPPLEMENT? OR EXTRA? OR ANOTHER? OR AUGM- ENT? OR ADDED OR BACK()UP?)
S4	827052	ANALYS? OR ANALYZ? OR FORECAST? OR ESTIMAT? OR PLAN OR PLA- NNED OR PLANNING OR CALCULAT? OR PICK? OR RECOMMEND? OR EVALU- AT? OR TARGET? OR PROJECT?
S5	35620	S4(5N)(PROFIT? ? OR EARNING? OR RETURN? ? OR SUCCESS? OR L- UCRATIVE? OR MONEY()MAKER? OR COMPENSATION? OR DIVIDEND? OR I- NCOME? OR PERCENTAGE? OR PROCEEDS OR RECEIVABLE? OR REVENUE? - OR ALLOCATION? OR MPF OR MOST()PROFITABLE()FARM?)
S6	1531	S3(S)S5
S7	718	S6(S)(IDENTIF? OR DETERMIN? OR DEFINE? SELECT? OR CHOSE? OR CHOOS?)
S8	96	S7(S)(VEGETABLE? OR FRUIT? OR CORN? OR CEREAL? OR GINSENG? OR HERB? ? OR TOBACCO? OR GRAIN? OR CULTIVAR? OR LEGUME? OR S- OYBEAN? OR OATS OR BARLEY? OR WHEAT?)
S9	25	S8 AND IC=G06F?
?		

9/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00996862

**Start code detecting apparatus for video data stream**  
**Vorrichtung zur Startkodendetektierung für Videodatenstrom**  
**Appareil de detection de code de depart pour un flux de donnees video**  
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PATENT (CC, No, Kind, Date): EP 901287 A2 990310 (Basic)  
EP 901287 A3 990922

APPLICATION (CC, No, Date): EP 98202166 950228;

PRIORITY (CC, No, Date): GB 9405914 940324

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IE; IT; LI; NL

RELATED PARENT NUMBER(S) - PN (AN):

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INTERNATIONAL PATENT CLASS: H04N-007/24; G06F-013/00 ; G06F-009/38

ABSTRACT WORD COUNT: 112

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CLAIMS A	(English)	9910	191
SPEC A	(English)	9910	126718
Total word count - document A			126909
Total word count - document B			0
Total word count - documents A + B			126909

...INTERNATIONAL PATENT CLASS: G06F-013/00 ...

... G06F-009/38

...SPECIFICATION through the output gate when D meets its start-up target  
an enable will be **added** to the queue, filling the queue. If no enables  
have been removed from the queue...

9/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2002 European Patent Office. All rts. reserv.

00996861 .

**Multistandard decoder for Huffman codes**  
**Mehrnormendekodierer für Huffmancodes**  
**Decodeur multistandard de codes de Huffman**  
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PATENT (CC, No, Kind, Date): EP 901286 A1 990310 (Basic)

APPLICATION (CC, No, Date): EP 98202135 950228;

PRIORITY (CC, No, Date): GB 9405914 940324

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IE; IT; LI; NL

RELATED PARENT NUMBER(S) - PN (AN):

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ABSTRACT WORD COUNT: 155

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FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9910	390
SPEC A	(English)	9910	126718
Total word count - document A			127108
Total word count - document B			0
Total word count - documents A + B			127108

...INTERNATIONAL PATENT CLASS: G06F-013/00 ...

... G06F-009/38

...SPECIFICATION through the output gate when D meets its start-up target  
an enable will be **added** to the queue, filling the queue. If no enables  
have been removed from the queue...

9/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00886081

**METHOD FOR SELLING MARINE CARGO INSURANCE IN A NETWORK ENVIRONMENT**

**PROCEDE DE VENTE D'ASSURANCE DE TRANSPORT DE MARCHANDISES MARITIMES DANS UN  
ENVIRONNEMENT DE RESEAU**

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2001US26753 20010828 (PCT/WO US0126753)

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CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

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(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

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Publication Language: English

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Fulltext Word Count: 6102

Main International Patent Class: G06F-019/00

Fulltext Availability:  
Claims

#### Claim

... is started. [See Workflow 8 - Figure 8] 1-D7 The system makes an evaluation to **determine** whether the customer can be extended insurance, considering previous claims, premium payment history, and other...

...insurance will skip this step. I-Q5 This step checks whether the billing process was **successful**. I-Q6 **Evaluates** the need for reinsurance, based on the risk assessment of System Workflow 5, Figures 2...

...The user is able to make modifications on the spot. Results of changes in the **fields** result in a **new** quoted amount instantaneously. The value of the shipment is the only field that cannot be...

...The user is able to make modifications on the spot. Results of changes in the **fields** result in a **new** quoted amount instantaneously. 2-Q1 Some B2B exchanges may provide the ability to download relevant...5-Q1 If re-insurance is possible based on these conditions, a re-insurer is **identified**, and the process continues. 5-Q2 The commodity is checked against the list of restricted...

...If he or she needs to make modifications, it is possible to do so before **committing** the changes to the database. 8-U1 The underwriter **identifies** the risk allocation method. [Excess of loss, quota share] 8-U2 If the risk allocation...

...Value of the goods;  
15-P2 The type of commodity shipped;  
15-P3 Advance percentage **determined** via table look up;  
15-P4 Whether the goods are containerized or not; and  
15...notified. IO-Q4 The shipping document date is checked against a set of rules, to **determine** how much time remains for recovery. If it is less than a month, the recovery...

9/3,K/4 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00856082

#### METHOD AND SYSTEM FOR SEMI-FUNGIBLE COMMODITY ITEM TRANSACTIONS PROCEDE ET SYSTEME PERMETTANT DES TRANSACTIONS DE BIENS UTILITAIRES SEMI-FONGIBLES

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200188775 A2 20011122 (WO 0188775)

Application: WO 2001EP5554 20010516 (PCT/WO EP0105554)

Priority Application: US 2000573828 20000518; US 2001841020 20010424

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CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

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Publication Language: English

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Fulltext Word Count: 26047

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... done in tabular form, such that each 20 qualified bidding supplier 318, 320, 322 is **identified** to the purchaser along with each of the semi-fungible **commodity** item(s) being offered 324. The purchaser then initially decides how much of their current...

...Price` and `Actual Allocatioid for each. item.

Additionally, the system may also provide a `Suggested **Allocation**` 342 based upon some- **analysis** done by the system. This analysis may involve an analysis of historical data and/or...The - 17 `Current Savings` 412 reflects the overall savings relative to the initial bid and **allocation**. Similarly, the optional `Historical **Analysis**` 408 in this example reflects the immediately preceding negotiation for this product class and purchaser...

...Supplier Bid Screen is shown in

FIG. 6. As shown, the Supplier Bid Screen 600 **identifies** generally the supplier 602, the product being bid by the supplier 604 by name and...

...or 4, a Time Remaining counter 614 is provided. The Supplier Bid Screen 600 also **identifies** the particular product being bid 616, for example the XSFI) model 600, the current bid...700. This `Recomm.ended Product Price` indicator 754 provides a recominendation of a price target **identified** by the server. Its purpose is to assist a supplier in **determining** whether to lower their price based upon some factor, for example, other supplier bids of...

...fungible items.

Depending upon the particular implementation, this amount may be derived from, for example, **analyzing** price changes, on a **percentage** basis, made by one or more other suppliers. For example, suppliers having the greatest allocation...

...the purchaser(s) 804 based upon the current price bid by the supplier, the award **calculated** as a **percentage** of the total volume 806, the estimated impact of the bid on sales and/or...

...bid. As a result, the system calculates that the current volume would result in an **estimated** increase in **revenue** over the previous year of 187,500 and a two percentage point increase in market...Y, W, X, Y and Z have responded to the RFP, with purchaser A having **identified** suppliers U and X, purchaser B having **identified** U, V, Y Z, purchaser C having **identified** V, X and Z, and supplier W having been **identified** by the negotiation host. Based upon the qualification requirements imposed, only suppliers X, Y and...

...that product "K" bid by supplier Z is of a higher quality or lo materially **different product** which justifies a price premium over the products bid by suppliers X and Y. Nevertheless...

...change is reflected on each purchaser's screen so that each purchaser will see the **new** price of \$115/unit for **product** "K" from Supplier Z. As a result, at least one of the purchasers decides to...

9/3,K/5 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00826127      \*\*Image available\*\*

**CUSTOMIZED FOOD SELECTION, ORDERING AND DISTRIBUTION SYSTEM AND METHOD  
SYSTEME ET PROCEDE PERSONNALISES DE SELECTION, DE COMMANDE ET D'EXPEDITION  
DE PRODUITS ALIMENTAIRES**

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**Legal Representative:**

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**Patent and Priority Information (Country, Number, Date):**

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Application: WO 2001US4257 20010209 (PCT/WO US0104257)  
Priority Application: US 2000181282 20000209; US 2000699622 20001029

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

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Detailed Description

**Detailed Description**

... possible to create three or even two different choices. In one  
embodiment, the merchant can **choose** one or more components that may not  
be the consumer's first choice, but closely...

...For example, mueslix can be substituted for granola, bran flakes might  
be substituted with whole **grain** **wheat** flakes, and so forth.  
components that, i.e., "related" components, e.g., substituting muselix  
for...

...concept of "cousin numbers" is used in the software that drives the Web site to **produce additional** recommendations. "Cousin numbers" describe various properties of the ingredients that make up the customized food...

9/3,K/6 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00792506 \*\*Image available\*\*

**PROCESS AND APPARATUS FOR IN SILICO TWO-HYBRID ANALYSIS**  
**PROCEDE ET APPAREIL D'ANALYSE IN SILICO A DEUX HYBRIDES**

Patent Applicant/Assignee:

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(Residence), DE (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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ES, ES (Residence), ES (Nationality), (Designated only for: US)

Legal Representative:

BOEHMERT & BOEHMERT (agent), Goddar, Heinz, Hollerallee 32, D-28209  
Bremen, DE,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200126022 A1 20010412 (WO 0126022)

Application: WO 2000EP9363 20000926 (PCT/WO EP0009363)

Priority Application: EP 99119515 19991001; EP 99121794 19991103

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

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Publication Language: English

Filing Language: English

Fulltext Word Count: 10055

Main International Patent Class: G06F-019/00

Fulltext Availability:

Claims

Claim

... Two-Hybrid Analysis

The present invention relates to a process and a method for the **determination** of interacting biomolecules, use of such method, pairs of interacting biomolecules, data structure, computer readable...

...level of many different organisms, including man. In fact, there are attempts under way to **determine** the entire chromosome sequences of various different organisms, such as the human DNA sequence. Some...

...the DNA sequence and the subsequent prediction and analysis of protein function. Often, upon sequence **determination**, functional predictions are based on homology analysis of a particular protein to other proteins with...

...more so for industrially relevant applications such as lead target interactions. It is possible to **differentiate** between two **types** of interactions, strong interactions typical of structural proteins forming functional complexes and weak interactions more...

...a developmental stage, require careful experimental set-up and considerable investments. All are subject to **different types** of experimental errors, and the **determination** of protein complexes and interactions have a considerable margin of error. Thus the **determination** of interacting protein pairs from a given set of possible pairings has

been very tedious...

...consuming. Gene expression may also be analyzed using DNA-arrays. Here, the expression of gene **products** is monitored in **different** states of a cell. As a result it is sometimes possible to predict interacting proteins...

...a great investment into fairly novel technology. Until recently it was thus only possible to **determine** protein interactions by applying "wet" laboratory techniques, as outlined above. A number of computational techniques...

...intensive computational resources and, more importantly, can only be applied when the structures have been **determined** previously experimentally. Another problem is the prediction of interacting regions between two proteins without prior...invention. A further objective of the present invention is to provide a method for the **determination** of interacting biomolecules which comprises processing data. A still further object is to provide a...

...their sequences. According to the invention this objective is solved by a process for the **determination** of interacting biomolecules and/or the simulation of the interaction of biomolecules wherein similar patterns...

...used. According to the invention this objective is also solved by a process for the **determination** of interacting biomolecules which comprises the following steps:

a) a first group is provided comprising...

...of the first group and the se

quences of at least one second group are **determined**, and

d) the probability of the interaction of the sequence represented biomolecules is **determined** on the basis of the group correlation values. The objective is also solved by a method for the **determination** of interacting biomolecules which comprises processing data of at least a second set of data...

...is created by retrieving group correlation values from the group correlation values data set and **determining** the probability of interaction of the biomolecules based on the group correlation values; and at...processing device. Finally the objective is also solved by pairs or complexes of interacting biomolecules **determined** in accordance with the inventive method or process. In a preferred embodiment of the inventive...

...of any of the second group(s) which also comprises the former first group, are **determined**. In a further embodiment of the inventive process site correlation values within each of the...

...or site correlation values within each of the sequences within the second group(s) are **determined** and said site correlation values are used for the calculation of the probability of interaction...

...one sequence of any second group(s), the correlation values within these fused sequences are **determined**, and the correlation values are used as group correlation values for **determining** the probability of interaction. In a further embodiment correlation values and preferably site correlation values...

...by calculating the covariation coefficient between corresponding entries of the position specific matrices, and **determining** the correlation value for a pair of positions by averaging the correlation values of the...

...of data is converted into a second set of data, and group correlation values are **determined** between the sequences of this new first set of data and the sequences of any...

...correlation values within each of the sequences

of phylogenetic trees in the search of positions clearly related with...  
 ...accumulate simultaneously in different branches of phylogenetic trees.  
 This method may also be applied for **determining** correlation values. -  
 15 Taylor and Harrick (Taylor, W. R., & Harrick, K (1994), Compensating  
 Changes in...  
 ...preferred embodiment of both the inventive process and the inventive  
 method group correlation values are **determined** by actually forming one  
 single sequence, which is called a fused sequence, of at least...  
 ...of the second set of data. The created fused sequence is then used for  
 the **determination** of the correlation values. By correlating a position  
 of the fused sequence which stems originally...  
 ...originally from the second group or of set data, factually group  
 correlation values can be **determined**. Also because of this particular  
 approach the **determination** of the site correlation value which is  
 typically performed before the **determination** of the group correlation  
 values and used to reduce the background of "wrong" or insignificant...  
 ...for substitutions within the sequences within the first group or first  
 set of data are **determined**, and additionally site correlation values  
 for substitutions within the sequences within the further second group(s)  
 or set(s) of data are **determined**. According to the invention such site  
 correlation values may be used to **determine** the statistical  
 significance of the group correlation values **determined**. In a preferred  
 embodiment of the process according to the invention the site correlation  
 values  
 within the groups are **determined** prior to the **determination** o  
 f the group correlation values. A graphical representation

9/3,K/7 (Item 5 from file: 349)  
 DIALOG(R)File 349:PCT FULLTEXT  
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00784185 \*\*Image available\*\*

A SYSTEM AND METHOD FOR STREAM-BASED COMMUNICATION IN A COMMUNICATION  
 SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION FOURNISSANT UN SYSTEME DE  
 COMMUNICATION EN CONTINU DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE  
 SERVICES DE COMMUNICATION

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
 (Residence), US (Nationality)

Inventor(s):

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 , US,

Legal Representative:

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 Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200117195 A2-A3 20010308 (WO 0117195)

Application: WO 2000US24125 20000831 (PCT/WO US0024125)

Priority Application: US 99386717 19990831

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

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Fulltext Word Count: 150532

International Patent Class: G06F-017/22 ...

Fulltext Availability:

Detailed Description

Detailed Description

... 1

OOP is a process of developing computer software using objects, including the steps of **analyzing** the problem, designing the system, and constructing the program. An object is a software package...can create an object which can be used as a component in a larger software **project** in the future.

If 90% of a new OOP software program consists of proven, existing...

9/3,K/8 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00784184 \*\*Image available\*\*

A SYSTEM, METHOD FOR FIXED FORMAT STREAM COMMUNICATION IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE POUR FLUX DE FORMAT FIXE DANS UN ENVIRONNEMENT A CONFIGURATIONS DE SERVICES DE COMMUNICATION

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
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Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918  
, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly LLP, P.O. Box 52037,  
Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200117194 A2-A3 20010308 (WO 0117194)

Application: WO 2000US24114 20000831 (PCT/WO US0024114)

Priority Application: US 99386430 19990831

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DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL

TJ TM TR TT UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 149954

International Patent Class: G06F-017/22 ...

Fulltext Availability:

Claims

Claim

... as knowledge workers needing flexible navigation.

Reduces system test complexity and cost

In a few **different** instances, the object-oriented development approach has significantly reduced system test complexity. In all these...

...A component model further improves the understanding of the software design by providing a larger- **grained** model that is easier to digest.

Lastly, communication with users is often improved by using...

...challenge. Another, more subtle source of risk is the inherent functional complexity of applications often **chosen** for component-based projects. Component technology's technical characteristics enable dynamic, functionally complex systems. For...to rapidly build simpler, less strategic applications. However, it suffers from a lack of smaller-



**grained** business reuse and increased coupling between presentation and data. This may increase maintenance costs and...nature of costs should be considered. Start-up costs are often not simply a variable **percentage** of the **project** size, because roughly the same architecture components may be required independent of size. Thus, anecdotal...

9/3,K/9 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00784138

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST BATCHER IN A TRANSACTION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR MODULE DE MISE EN LOTS DES REQUETES DANS UN ENVIRONNEMENT CARACTERISE PAR DES SERVICES TRANSACTIONNELS

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
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Inventor(s):

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200116733 A2-A3 20010308 (WO 0116733)

Application: WO 2000US23885 20000831 (PCT/WO US0023885)

Priority Application: US 99387575 19990831

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150393

Main International Patent Class: G06F-009/46

Fulltext Availability:

Detailed Description

Detailed Description

... Business Component.

In Capability Analysis 3606 and the first part of Capability Release Design 3608, the **project** team designs Business Components in more detail, making sure they satisfy the application requirements. The...

...for these services is "Business Component Interfaces." The team also models the interactions between Business **Corn** onents.

P

Throughout the remainder of Capability Release Design and into Capability Release Build and...happening outside of its boundaries (e.g., the actions that precede or follow it).

264

**Another** key to embracing change is the predictability and conceptual integrity of the parts that make...are larger than business objects. In fact, some people refer to Business Components as large- **grained** business objects.

So what is the right size for a Business Component?

Business Components should encapsulate...

9/3,K/10 (Item 8 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00784137

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR DISTRIBUTED GARBAGE  
COLLECTION IN ENVIRONMENT SERVICES PATTERNS  
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION EN MATIERE DE RECUPERATION  
D'ESPACE REPARTI DANS DES MOTIFS DE SERVICES D'ENVIRONNEMENT

Patent Applicant/Assignee:

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Legal Representative:

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Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116729 A2 20010308 (WO 0116729)

Application: WO 2000US24238 20000831 (PCT/WO US0024238)

Priority Application: US 99386435 19990831

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

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Fulltext Word Count: 150959

Main International Patent Class: G06F-009/44

Fulltext Availability:

Detailed Description

Detailed Description

... application development style. Although components and objects have  
been around for a while, they are **new** to most people.

Furthermore, component-based development requires a change in the way one  
thinks...

...are larger than business objects. In fact, some people refer to Business  
Components as large- **grained** business objects.

So what is the right sizefor a Business Component?

269

Business Components should...

9/3,K/11 (Item 9 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00784126

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR AN EXCEPTION RESPONSE TABLE  
IN ENVIRONMENT SERVICES PATTERNS  
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION DESTINES A UNE TABLE DE REPONSE  
D'EXCEPTION DANS DES CONFIGURATIONS DE SERVICES D'ENVIRONNEMENT

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
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Inventor(s):

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Floor, 2029 century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116706 A2-A3 20010308 (WO 0116706)

Application: WO 2000US24086 20000831 (PCT/WO US0024086)

Priority Application: US 99387873 19990831

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK  
DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR  
TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

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Fulltext Word Count: 150318

Main International Patent Class: G06F-009/44

Fulltext Availability:

Detailed Description

Detailed Description

... challenge. Clear winners have yet to emerge, and newcomers are  
constantly popping up with promising **products** . Finally, the legal and  
commercial market for buying ar@d  
selling

componentsisnotmature.

Themarketforhigh-levelcommonbusinessobjectsisisjustemerging, while...

...are larger than business objects. In fact, some people refer to Business  
Components as large- **grained** business objects.

So what is the right sizefor a Business Component?

269

Business Components should...

9/3,K/12 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00784119

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A REFRESHABLE PROXY POOL IN  
A COMMUNICATION ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE POUR GROUPE D'ELEMENTS MANDATAIRES (PROXY)  
RAFFRAICHISSABLES DANS UN ENVIRONNEMENT A CONFIGURATIONS DE SERVICES DE  
COMMUNICATION

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

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Legal Representative:

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Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116668 A2-A3 20010308 (WO 0116668)

Application: WO 2000US24113 20000831 (PCT/WO US0024113)

Priority Application: US 99386239 19990831

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DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

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Fulltext Word Count: 149976

Main International Patent Class: G06F-009/46

Fulltext Availability:

Claims

Claim

... retrieving and downloading information. Robert Orfali, Dan Harkey, and Jeri Edwards, wellknown experts in the **field** of component- and object-based development, wrote the following about distributed objects (same as "distributed...A component model further improves the understanding of the software design by providing a larger- **grained** model that is easier to digest. Lastly, communication with users is often improved by using...to rapidly build simpler, less strategic applications. However, it suffers from a lack of smaller- **grained** business reuse and increased coupling between presentation and data. This may increase maintenance costs and...effort in testing. On the other hand, the later stages of testing can be more **productive** by effectively leveraging encapsulation of components and large- **grained** components. There is reason to believe that these benefits can be leveraged sooner if the...

...new application. Adaptable. Giving you freedom to deliver an application to a variety of user **types** through a variety of delivery channels with minimal impact to the application itself Reusable. Making...ability to meet usability, scalability, and multi-user requirements. Ideally what would greatly increase the **productivity** of the development architecture is a seamless integration of tools in the workbench and the...

...Analysis, Design, and Construction phases of the development process. It should also serve as a **productive** environment for the on-going maintenance of an application. Conceptually it should integrate all of...

9/3,K/13 (Item 11 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00777020

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR RESOURCE ADMINISTRATION IN AN E-COMMERCE TECHNICAL ARCHITECTURE

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR L'ADMINISTRATION DE RESSOURCES DANS UNE ARCHITECTURE TECHNIQUE DE COMMERCE ELECTRONIQUE

Patent Applicant/Assignee:

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(Residence), NL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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Legal Representative:

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52037, Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200109791 A2-A3 20010208 (WO 0109791)

Application: WO 2000US20547 20000728 (PCT/WO US0020547)

Priority Application: US 99364161 19990730

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

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Fulltext Word Count: 136396

Main International Patent Class: G06F-009/46

International Patent Class: G06F-009/44 ...

... G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... a sub-part of the overall activity business logic. The sub-activity represents the smallest **grained** business logic. For example in a "Create Service Order" activity, one sub-activity retrieves all... interface supports the following methods.

Pre-conditions required before executing the subActivity.

Execute the small **grained** business process logic.

Post-conditions required after executing the sub-Activity.

Declare that the current...

...in the business subactivity component.

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conditions required before executing the subvity.

Execute the small **grained** business process logic.

Post-conditions required after executing the subActivity.

Return he requested business components...context

Security

Page access authorization - Activity scope

Validation

Pre-conditions

Post-conditions

Sub-Activity - Smallest **grained** business logic

Execute business logic

View - mapping between a user interface and a business object...

workstation 5602 is connected to a file server 5604 and an architecture database 5606.

Assembly/ **Product** /Perfon-nance Testing Environments

Figure 57 illustrates the physical configuration of possible ReTA-based

Assembly...ensure contained and controlled results, and allow for

parallel testing efforts.

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\*\*Note that the **recommendations** on hardware attributes are greatly effected by functionality and complexity of the application, and may...

9/3,K/14 (Item 12 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00777012

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR PROVIDING AN INTERFACE BETWEEN A FIRST SERVER AND A SECOND SERVER.

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A UNE ARCHITECTURE DE COMMERCE ELECTRONIQUE BASEE SUR JAVA

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality), (For all designated states except: US)  
Patent Applicant/Inventor:  
UNDERWOOD Roy A, 4436 Hearthmoor Court, Long Grove, IL 60047, US, US  
(Residence), US (Nationality), (Designated only for: US)  
Legal Representative:  
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th floor,  
2029 Century Park East, Los Angeles, CA 90067-3024, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200109721 A2-A3 20010208 (WO 0109721)  
Application: WO 2000US20561 20000728 (PCT/WO US0020561)  
Priority Application: US 99364531 19990730  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK  
LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 126924

Main International Patent Class: G06F-009/46  
Fulltext Availability:  
Detailed Description

Detailed Description  
... ADO Recordset with the Result codes.

Call an error utility function that maps the error **return** codes onto  
the applications error handling system.

Map the return recordset onto the businessObject (possibly...

9/3,K/15 (Item 13 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00777011 \*\*Image available\*\*

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A CODES TABLE FRAMEWORK  
DESIGN IN AN E-COMMERCE ARCHITECTURE  
SYSTEME, PROCEDE ET ARTICLE FABRIQUE POUR LA CONCEPTION D'UNE STRUCTURE DE  
TABLES DE CODES DANS UNE ARCHITECTURE DE COMMERCE ELECTRONIQUE

Patent Applicant/Assignee:

AC PROPERTIES BV, Parkstraat 83, NL-2514 JG 'S Gravenhage, The Hague, NL,  
NL (Residence), NL (Nationality), (For all designated states except:  
US)

Patent Applicant/Inventor:

UNDERWOOD Roy A, 4436 Hearthmoor Court, Long Grove, IL 60047, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037,  
Palo Alto, CA 94303, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200109716 A2-A3 20010208 (WO 0109716)  
Application: WO 2000US20705 20000728 (PCT/WO US0020705)  
Priority Application: US 99364491 19990730

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US  
UZ VN YU ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Connect as RETA-ARCH, i.e. **type** connect framework  
reta-arch/reta-archgretal at the command prompt or within tables expected  
SQL...that requests a resource against the credentials stored in the  
Membership Directory. We can specify **extra** information with the user,  
from which to authenticate users. But here lies a difference between...

9/3,K/16 (Item 14 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00769406 \*\*Image available\*\*  
**INTEGRATED BUSINESS-TO-BUSINESS WEB COMMERCE AND BUSINESS AUTOMATION SYSTEM**  
**SYSTEME INTEGRE D'AUTOMATISATION DES ECHANGES COMMERCIAUX ENTRE ENTREPRISES**  
**PAR L'INTERNET**

Patent Applicant/Inventor:

WONG Charles, 14250 Miranda Road, Los Altos Hills, CA 94022, US, US  
(Residence), US (Nationality)

Legal Representative:

COVERSTONE Thomas E (agent), Burns, Doane, Swecker & Mathis, LLP, P.O.  
Box 1404, Alexandria, VA 22313-1404, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200102927 A2-A3 20010111 (WO 0102927)  
Application: WO 2000US16739 20000616 (PCT/WO US0016739)  
Priority Application: US 99334688 19990617

Parent Application/Grant:

Related by Continuation to: US 99334688 19990617 (CON)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI

SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 51133

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... expenditures. Negotiations are then undertaken with those vendors to  
trim their respective budgets by a **percentage calculated** to bring the  
total budget in line with the previous year's expenditures. As revised...

...A projected budget amount is then allocated to the universal vendor. As  
specific vendors are **identified**, budget amounts are shifted from the  
universal vendor to specific vendors. Automation of the budgeting...

...the continuously evolving business. In general, extensibility involves  
the following process. First, a need is **identified** that is not  
currently met by the system. The need is **identified** as being more  
closely allied with either supply or demand. The base record structure  
(i.e., Items Sold) is then examined to **determine** whether it contains  
the necessary fields to support the **identified** need. The base record  
structure is analogous to the roots of the system. If the necessary  
**fields** are not present, they are **added** to the base record structure in  
appropriate relation to the existing **fields**. Code is then **added** to  
create the desired functionality to satisfy user demand. The "roots"  
(base records) give rise to branches (derived records and views) and  
**fruits** (processes) in various relationships with one another. For  
example, from Items Sold are created MWSs...Item Sold record structure  
did not have any field indicative of tier. Therefore, a "level" **field**  
was **added** in appropriate relation to other **fields**. When products are  
ordered and a corresponding MWS created, the system examines for each

product...

...of levels may be supported in the same fashion. In terms of roots, branches and **fruits**, the Item Sold records represent the roots, MWSs of different levels and Quotes represent the branches, and the relationships between the MWSs and Quotes represent the **fruits**, which ultimately enable the customer demand to be satisfied.

Virtual, Demand-Driven Infrastructure

Every web...thousands of product entries that must be continuously updated via the Internet. Updating involves comparing **new product** information to

147

existing **product** information to identify **new products**, discontinued **products**, price changes, etc. Updating also involves flagging affected customer-specific catalog records, including APLs (Approved...within the software a

switch panel" that is used to turn user-visible aspects of **identified** business functions on or off. That, because different domain views are just a different window...

...web, thus becoming familiar with the various functions of the software. Preferably, the party then **identifies** functions that the party does not want. Corresponding switch panel settings for that party are...

9/3,K/17 (Item 15 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2002 WIPO/Univentio. All rts. reserv.

00752886

#### MORTGAGE AUCTION PROCESS MODEL

#### MODELE D'UN PROCESSUS D'ENCHERES HYPOTHECAIRES

Patent Applicant/Assignee:

REALESTATE COM INC, Atlanta Financial Center, Suite 150, 3333 Peachtree Road, N.E., Atlanta, GA 30326, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

KOLESZAR William, 2661 Fox Hills Drive, Decatur, GA 30033, US; US (Residence), US (Nationality), (Designated only for: US)

BEALE Elsa, 1111 Dunbarton Trace, Atlanta, GA 30319, US, US (Residence), US (Nationality), (Designated only for: US)

DANIELS Alan, Suite 400, 3333 Peachtree, Atlanta, GA 30326, US, US (Residence), US (Nationality), (Designated only for: US)

LACOUR Jamal, 735 Woodshire Trail, Atlanta, GA 30031, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

MEHRMANN Michael J (agent), Morris, Manning & Martin, LLP, 1600 Atlanta Financial Center, 3343 Peachtree Road NE, P.O. Box 550768, Atlanta, GA 30355, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200065516 A2 20001102 (WO 0065516)

Application: WO 2000US11897 20000428 (PCT/WO US0011897)

Priority Application: US 99131360 19990428

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 20897

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims



Claim

... residence or vacation home?  
. Will it be an investment property?  
/ 57  
Will It produce rental **Income** ?  
**Estimated** monthly rental **Income** s F-@.7 - I  
\*Over the past 7 years, have you filed for bankruptcy  
protection...

...to De bound by the following terms and conditions  
as set forth herein:  
&ffi@Q" &. **corn** makes no representation or warranties as to the lender's  
participation in any given auction...advice regarding the financing needs  
of the borrower. Submission of this application online serves as ,, **corn**  
's authorization to access your credit information and further that it is  
a crime under...

...property specifics. The Lender may withdraw its loan offer if any of  
Consumers information is **determined** to be inaccurate or intentionally  
fraudulent. Due to the complexity and size of the contemplated...

...Sample Bank  
Property Information  
Loan Amount s 1 i dooo.oo Loan Purpose Purchase a **New** Home  
Loan **Type** Conve'ritional Loan Term 30 Year Fixed  
Loan To Value 28.72%' Estimated Value \$383t000...

9/3,K/18 (Item 16 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00549728 \*\*Image available\*\*  
COMPUTER-IMPLEMENTED PROGRAM FOR FINANCIAL PLANNING AND ADVICE SYSTEM  
PROGRAMME INFORMATIQUE POUR SYSTEME DE PLANIFICATION ET DE CONSEIL  
FINANCIERS

Patent Applicant/Assignee:

AMERICAN EXPRESS FINANCIAL CORPORATION,  
Inventor(s):

MORAN William J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200013101 A1 20000309 (WO 0013101)  
Application: WO 99US18985 19990818 (PCT/WO US9918985)  
Priority Application: US 98141013 19980826

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR  
TT UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD  
RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF  
CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 25281

Main International Patent Class: G06F-017/21

International Patent Class: G06F-015/18

Fulltext Availability:

Claims

Claim

... Are,  
PCT/US99/18985  
I  
5/52  
@1 ooo  
Choy&  
Advlsx V,  
64W4  
Agmcy 01 **New** m

3j

**Field**

Office

FAS workstation (Intel PC)

Windows95 Yz.

Z,1

M2infr2me

Data Utility, (NIVS, CICS,

Middleivare...NOT S. 1949 C.

6/52

MITIM IM

Select a goat Al sections

msh reserye, **Determine** net worth

Proyide and maintain an adequate c

MaxWze rescxxces and monitor Cash flow

Observations...

...funds in

will aiffwrte any e)dstirg month in equity

This

this sectm. Yom asset **allocation**

reowffendabons- accordance with

**analysis** .

M InVest\$50 per month in equity

funds for DrUs education

This cwnat be reversCsg...

...m-,h 0,:\* Omissions of any assets or insurance

Maximize reacturces; -eirid trionk

RF-4ii **corn** trxt--@\* h i 0 yerA-; policies in the Proposal could lead to N

inaccuracies or...

...EXCkWe Draft Client Version

NO" Refirerrent

Goals Printing pr"@v Education: JacWes

Education: Druc?.a

**Choose** goals to exclude from prkAing

Ne Asset management

To exciude " kxfivkW goal you don't...

9/3,K/19 (Item 17 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2002 WIPO/Univentio. All rts. reserv.

00459165

**UNIVERSAL EPISTEMOLOGICAL MACHINE (A.K.A. ANDROID)**

**MACHINE EPISTEMOLOGIQUE UNIVERSELLE (ANDROIDE A.K.A.)**

Patent Applicant/Assignee:

DATIG William E,

Inventor(s):

DATIG William E,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9849629 A1 19981105

Application: WO 98US8527 19980427 (PCT/WO US9808527)

Priority Application: US 97847230 19970501; US 97876378 19970616; US 9833676 19980303

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD

MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US

UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE

CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN

ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 265553

Main International Patent Class: G06F-015/18

Fulltext Availability:

## Claims

### Claim

... this modality of existence is taken up in greater depth in chapter five, in any **cornmunication**, the being-the dualism-necessitates that mind influence body, in causing the acoustical wave forms...

...of existence, the enabler designs into the enabled being a inodal strategy (@f existence, which **determines** the interactions of the dualism, or more  
?-2(-!

broadly, the modes of existence, compositionally. The...This is, of course, why there are different languages around the world and around the **corner**. In learning about the translations of English and other grammars to the U.G., it...on the modes of existence to remove the being from a lapse in thought. In **determining** modal behavior in the psychology of an enabled being, for example, queries such, as Why...

9/3,K/20 (Item 18 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00456597

### DATA PROCESSING SYSTEM AND METHOD FOR DETERMINING AND ANALYZING CORRESPONDENCE INFORMATION FOR A STEREO IMAGE SYSTEME ET PROCEDE DE TRAITEMENT DES DONNEES

Patent Applicant/Assignee:

INTERVAL RESEARCH CORPORATION,

Inventor(s):

WOODFILL John Iselin,

BAKER Henry Harlyn,

VON HERZEN Brian,

ALKIRE Robert Dale,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9847061 A2 19981022

Application: WO 98US6675 19980402 (PCT/WO US9806675)

Priority Application: US 97839767 19970415

Designated States: AL AM AT AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ DE DE

DK DK EE EE ES FI FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK

LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK SL

TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ

MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ

CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 80157

...International Patent Class: G06F-017/15

Fulltext Availability:

Detailed Description

### Detailed Description

... if the original images are of such a quality that lines from one image can **successfully** be mapped onto lines in the other image without rectification.

The second step in the...transform window. In other embodiments, the reference image element is located in the lower rightmost **corner** of the window. Use of the lower right **corner** of the window as the reference point aids in the box filtering embodiments of the...

...moves from one image element to another, the only new element is the lower right **corner** image element.

FIG. 5(A) shows a right image 300 along with a window 301...location of the reference image element in the census window (e.g., center, bottom right **corner**, upper left **corner**, a location off center), different image data in the census window, different numbers of image...The

following discussion assumes that the reference image element is located on the bottom rightmost **corner** of the window and the desired area for image processing has been **determined** (i.e., skipped rows and columns have been programmed). Thus, the row and column numberings are reset to (0,0) for the image element located on the upper leftmost **corner** of the desired image area of interest. As shown in FIG. 10(A), region I...second highest with a count of I 1 in this window. Thus, the disparity value **chosen** for this window and assigned to the reference point in the lower rightmost **corner** of the window is disparity 4, which also happens to coincide with the optimum disparity value **chosen** for this image element at this location.

For ties in the disparity value, the program...the image intensity data to quickly generate census vectors for the scene of interest.

Usually, **determining** whether sufficient image intensity is available for the census calculation depends on the size of...

...census transform program can begin. This calculates a single census vector for the upper leftmost **corner** of the desired image processing area.

When sufficient census vectors are available to calculate correlation...

9/3,K/21 (Item 19 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00418748 \*\*Image available\*\*

SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS PROTECTION

SYSTEMES ET PROCEDES DE GESTION DE TRANSACTIONS SECURISEES ET DE PROTECTION DE DROITS ELECTRONIQUES

Patent Applicant/Assignee:

INTERTRUST TECHNOLOGIES CORP,

Inventor(s):

GINTER Karl L,  
SHEAR Victor H,  
SIBERT W Olin,  
SPAHN Francis J,  
VAN WIE David M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9809209 A1 19980305

Application: WO 97US15243 19970829 (PCT/WO US9715243)

Priority Application: US 96706206 19960830

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN

MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI

FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 195626

Main International Patent Class: G06F-001/00

Fulltext Availability:

Detailed Description

Detailed Description

... existing participants.

With VDE, electronic commerce participants are free to structure and restructure their electronic **cornmerce** business activities and relationships. As a result, the present invention allows a competitive electronic commerce...point, or during a certain period, in the past (for example, certain use of a **cornmercial** electronic content

product and/or appliance). Such determinations can then be used as part of...

9/3,K/22 (Item 20 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00407018

IDENTIFICATION AND COMPARISON OF PROTEIN-PROTEIN INTERACTIONS AND INHIBITORS THEREOF

IDENTIFICATION ET COMPARAISON D'INTERACTIONS PROTEINE-PROTEINE ET D'INHIBITEURS DESDITES INTERACTIONS

Patent Applicant/Assignee:

CURAGEN CORPORATION,

Inventor(s):

NANDABALAN Krishnan,  
ROTHBERG Jonathan M,  
YANG Meijia,  
KNIGHT James R,  
KALBFLEISCH Theodore S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9747763 A1 19971218

Application: WO 97US10392 19970613 (PCT/WO US9710392)

Priority Application: US 96663824 19960614

Designated States: AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GE GH HU IL IS  
JP KG KP KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK TJ  
TM TR TT UA UZ VN YU GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM  
AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA  
GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 115358

...International Patent Class: G06F-15:00

Fulltext Availability:

Detailed Description

Detailed Description

... doubling, Accordingly, each

separate mating event constituting a protein-protein interaction is more likely to produce only a single resulting colony upon selection, Third, also for good statistical 30 sampling, the...2

to 10 sequences, which require fewer target subsequence

- 132

pCTfUS97/10392 pairs. Such coarser grain analysis of gene expression or genomic composition requires fewer recognition reactions and analysis time. Alternatively...

9/3,K/23 (Item 21 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00401842 \*\*Image available\*\*

APPARATUS AND METHOD FOR MANAGING AND DISTRIBUTING DESIGN AND MANUFACTURING INFORMATION THROUGHOUT A SHEET METAL PRODUCTION FACILITY

APPAREIL ET METHODE CORRESPONDANTE PERMETTANT DE GERER ET DE REPARTIR UNE INFORMATION RELATIVE A LA CONCEPTION ET A LA FABRICATION DANS UNE INSTALLATION DE PRODUCTION DE TOLES

Patent Applicant/Assignee:

AMADA METRECS CO LTD,  
AMADASOFT AMERICA INC,

Inventor(s):

HAZAMA Kensuke,  
KASK Kalev,  
SAKAI Satoshi,  
SUBBARAMAN Anand Hariharan,

Patent and Priority Information (Country, Number, Date):  
Patent: WO 9742586 A1 19971113  
Application: WO 97US7471 19970506 (PCT/WO US9707471)  
Priority Application: US 9616958 19960506; US 96690671 19960731  
Designated States: AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
Publication Language: English  
Fulltext Word Count: 146782  
Main International Patent Class: G06F-017/50  
International Patent Class: G06F-17:60 ...  
Fulltext Availability:  
Detailed Description

#### Detailed Description

... the parts may then be assembled and packaged for shipping to the customer.

The conventional **production** and manufacturing process described above suffers from several drawbacks and disadvantages. For example, although the...be provided at the station module to facilitate the bending operator in developing the bending plan. The GUI may be provided to help the operator develop a bending **plan** by, for example, displaying tooling options, automatically checking for potential collisions between the part and...be defined by a collection or linked data list of lines and/or arcs.

To **extract** features of the part, the feature **extraction** operation may be performed on the 5 bend model and topology data to analyze and...

```
newcol 1)
pcnew(newcoll.count(pnewv1++ ;
int igroup = fent
group (pnewv)
pcnew(newcoll.gcount[igroup1++
second change the counters for the unfixed faces by
adding the FENTCOUNT of the to be...
```

9/3,K/24 (Item 22 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00376923

#### STRUCTURED FOCUSED HYPERTEXT DATA STRUCTURE STRUCTURE DE DONNEES HYPERTEXTE ARTICULEE SUR LA STRUCTURATION

Patent Applicant/Assignee:

HYPERMED LTD,  
OREN Avraham,  
OLCHA Lev,  
KOWALSKI Nahum,  
MARGULYAN Rita,

Inventor(s):

OREN Avraham,  
OLCHA Lev,  
KOWALSKI Nahum,  
MARGULYAN Rita,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9717666 A2 19970515  
Application: WO 96IL131 19961023 (PCT/WO IL9600131)  
Priority Application: US 95551929 19951023  
Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB  
GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM  
AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT  
SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 263802

Main International Patent Class: G06F-017/30  
International Patent Class: G06F-17:21

Fulltext Availability:  
Detailed Description

Detailed Description  
... screens.

End Sub There are 3 other arrays  
'that are also filled with the  
Function **EvaluateAndPerformSearch** Paragraph ID, location in  
paragraph, and Paragraph Type  
On Error GoTo FailedSearch2  
I now we...

9/3,K/25 (Item 23 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00262468 \*\*Image available\*\*

**METHODS AND TOOLS FOR COMPUTERIZED SUPPORT OF A MARKET ECONOMY**  
**PROCEDE ET OUTILS POUR SUPPORT INFORMATISE D'UNE ECONOMIE DE MARCHE**

Patent Applicant/Assignee:

MASSACHUSETTS INSTITUTE OF TECHNOLOGY,  
HARTNETT William J,

Inventor(s):

HARTNETT William J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9410637 A1 19940511

Application: WO 93US10557 19931101 (PCT/WO US9310557)

Priority Application: GB 9222884 19921030

Designated States: AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ  
LK LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA US UZ VN AT BE CH DE DK  
ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD  
TG

Publication Language: English

Fulltext Word Count: 48822

Main International Patent Class: **G06F-015/21**

International Patent Class: **G06F-15:40**

Fulltext Availability:

Claims

Claim

... to solidify public support, facilitate price discovery and inhibit  
inflation. Once a distribution technique is **determined**, recipients must  
be **identified**. Potential recipients include citizens, workers,  
management, banks, pension funds, charitable institutions, local or  
regional governments...investment authority must be addressed.  
Finally, timing must be addressed. Some timing issues must be **determined**

at the outset, such as the cut-off privatization date for enterprises to  
be

included...assets to support I

Select transactions to supporti 7SU pport auction of small state  
enterprises

**Choose** parameter values

and constraints upon the process. For example, professional organizations  
which accept investment authority...

...will often involve a search for identity, as leadership concentrations  
in an interwoven industrial infrastructure **determine** where their  
organization ends  
and their suppliers and customers begin. A key step in this...safe harbor  
time interval, the Privatization Board should confiscate the part of  
management and worker **compensation** stock which it **estimates** to be  
attributable to monopoly rent arising subsequent to privatization.  
Spin-offs which survive an initial interval should liquidate a number of  
treasury shares **determined** by Privatization Board regulations and pay

- the proceeds to its parent organization's management as...necessitate recovery procedures such as reprocessing from the latest backup. Software glitches may be **identified** and patched. The degree of price approximations will. be a function of processing power available...to bid at auctions of small state enterprises, start a business, relocate a family, buy **land** or make **alternative** investments. While some individuals may be shrewder or luckier, all can receive the same economic ...periodic annuity payments)
  - '2 AUCTION (supports bidding with SMUs at small enterprise auctions)
  - ;3 DELCOMP ( **calculates** threshold delegatee **compensation** )
  - 1;4 DISPOSE (prepares transmittals to custodial financial institutions)
  - '5 DORFGEN (generates Delegatee Order File13 PRICING ( **determines** market-clearing prices)
  - 14 XACT (generates the Transaction Data Base - XDB)
  - XBLOCK (analyses a transaction...
- ...delegatee orders to apply to selected portfolios or assets)
  - ,8 GRADE (evaluation of financial institution)
  - ( **identification** of portfolio owner)
  - ,9 IDENT
  - :10 JOIN (enterprise employee stock compensation and date of hire... react, \*title;
  - struct ffbk ffbk;
  - int output, updt, updt, updt, status;
  - int wtlqwt2qwt39wt4; /\* title window **corners**
  - int wx1,wx2,wx3,wx4; /\* screen/page window **corners**
  - int wilqvi2qvi3qvi4; /\* interaction window **corners**
  - int wfl,vf2,vf3,wf4; /\* footer window **corners**
  - int uhandle;
  - int. ips, ps, naptot[21, nspid[23;
  - int apfirst[239 splast[23, apfcode...



?ds

Set	Items	Description
S1	9793	FARM? OR PHARM? ? OR PHARMING? OR FIELD? ? OR AGRICULTUR? - OR GRANG? OR HOMESTEAD? OR PLANTATION? OR HACIENDA? OR AREA? ? OR LAND? ? OR TRACT? OR REAL()ESTATE OR ACRE? OR RANCH? OR H- ECTARE?
S2	50516	S1 OR CROP? ? OR TYPE? OR PLANT? OR MONEYCROP? OR (CROP? OR PRODUCT? ?) (1W)INTEREST? OR HARVEST? ? OR PRODUCE OR PRODUCT? OR AGRIBUSINESS? OR SPECIES? OR GREENHOUSE? OR AGROFORESTY?
S3	6741	S2(5N) (NEW? ? OR SECOND OR 2ND OR ADDITIONAL OR ALTERNATIV- E? OR DIFFERENT? OR SUPPLEMENT? OR EXTRA? OR ANOTHER? OR AUGM- ENT? OR ADDED OR BACK()UP?)
S4	33009	ANALYS? OR ANALYZ? OR FORECAST? OR ESTIMAT? OR PLAN OR PLA- NNED OR PLANNING OR CALCULAT? OR PICK? OR RECOMMEND? OR EVALU- AT? OR TARGET? OR PROJECT?
S5	1035	S4(5N) (PROFIT? ? OR EARNING? OR RETURN? ? OR SUCCESS? OR L- UCRATIVE? OR MONEY()MAKER? OR COMPENSATION? OR DIVIDEND? OR I- NCOME? OR PERCENTAGE? OR PROCEEDS OR RECEIVABLE? OR REVENUE? - OR ALLOCATION? OR MPF OR MOST()PROFITABLE() FARM?)
S6	84	S3 AND S5
S7	1	S6 AND (VEGETABLE? OR FRUIT? OR CORN? OR CEREAL? OR GINSEN- G? OR HERB? ? OR TOBACCO? OR GRAIN? OR CULTIVAR? OR LEGUME? OR SOYBEAN? OR OATS OR BARLEY? OR WHEAT?)
S8	12	S6 AND (IDENTIF? OR DETERMIN? OR DEFINE? SELECT? OR CHOSE? ,OR CHOOS?)
S9	12	S8 NOT S7
S10	8	S3(5N)S5
S11	7	S10 NOT (S7 OR S9)
S12	5	S11 NOT PY=>2001

7/5/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00107756 DOCUMENT TYPE: Review

PRODUCT NAMES: Company - Novell Inc (850438)

TITLE: Is Novell on the comeback trail?

AUTHOR: Burns, Christine

SOURCE: Network World, v15 n9 p1(2) Mar 2, 1998

ISSN: 0887-7661

HOME PAGE: <http://www.nwfusion.com>

RECORD TYPE: Review

REVIEW TYPE: Company

Novell's latest financial results indicate that the company may be turning a major **corner** and making a comeback. Novell's earnings for the fiscal first quarter were \$14 million on revenues of \$252 million, with earnings of 4 cents per share. The **earnings** were twice what Wall Street **analysts** expected. However, Novell is still only about halfway to a full comeback. This represents the company's second consecutive quarter in the black, although the previous quarter's gain of \$7 million resulted from income earned from Novell's \$1 billion in the bank. Becoming profitable is essential not only to its survival, but to its image. Novell has suffered at the hands of Microsoft in the Internet arena, and Novell has also lost some market share to Microsoft's Microsoft Windows NT Server. The first quarter profits can be attributed to strict cost-cutting moves and the layoff of 25 percent of the company's workforce. This is typical for a company undergoing a corporate restructuring. Despite the profitable quarter, however, revenue dropped 33 percent over the same period last year. Novell did ship several **new products** last quarter, which may result in even better revenue figures in the quarters to come.

COMPANY NAME: Novell Inc (344893)

SPECIAL FEATURE: Graphs

DESCRIPTORS: Software Marketing; Network Software; LANs; Operating Systems

REVISION DATE: 19990530

9/5/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2002 Info.Sources Inc. All rts. reserv.

00136706 DOCUMENT TYPE: Review

PRODUCT NAMES: IT Management (843377)

TITLE: A New Kind Of Business Case:...value-realization metric features  
a...

AUTHOR: Sommer, Brian

SOURCE: Optimize, p46(7) Jan 2002

ISSN: 1537-2308

HOME PAGE: <http://www.optimize.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

IT management requires not only addressing the effect IT investments have on a business's stock price, but also the processes that ensure that the capital spent on an IT **project** brings a **return**. In the current environment, simply saving money is not adequate for shareholders, they want every major expenditure to create wealth. This calls for a **new type** of value-realization business case that focuses more on finance and the delivery of real benefits. A business case based on wealth creation addresses four areas: improvements in corporate assets, reductions in capital expenditures, opportunities to increase performance, and methods to improve cash flow and free up working capital. The business case reveals the changes that will occur throughout the organization. Large projects such as ERP or supply chain automation may materially change a business. These are expensive and require justification to shareholders. Benchmarks can help define the boundaries and **identify** targets.

COMPANY NAME: Vendor Independent (999999)

SPECIAL FEATURE: Charts

DESCRIPTORS: IT Management; Business Planning; Business Models

REVISION DATE: 20020530

9/5/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2002 Info.Sources Inc. All rts. reserv.

00135690 DOCUMENT TYPE: Review

PRODUCT NAMES: Customer Behavior Analysis (847747)

TITLE: Customer Analytics At A Cost: Expensive integration required to...

AUTHOR: Kemp, Ted

SOURCE: Internet World, v888 p15(1) Dec 10, 2001

ISSN: 1097-8291

HOME PAGE: <http://www.iw.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

XML, electronic data interchange (EDI), NCR's NCR Teradata, and Accrue Software's Insight are technologies and products that allow companies to analyze customer preferences and buying trends to increase **revenues**. Companies that use customer **analysis** applications advise prospective users to design a data architecture that supports corporate goals; to continuously tune business rules used to segment customers; to make the data interface easy and intuitive to use; and to optimize available implementation assistance from customer relationship management (CRM) vendors. For instance, Bank of Montreal now does granular analyses of consumer buying patterns and **product** preferences before **new product**

promotions are launched via e-mail, phone, and U.S. Postal Service (USPS)-delivered mail. Each product has a legacy information store, so Bank of Montreal **chose** software from AB Initio to cull target data fields from mainframes. The fields are translated into a format that can be more evenly analyzed, and they are loaded into the bank's data warehouse. Data mining software from Angoss Software, IBM, and SAS Institute are used, and software from MicroStrategy cuts the customer base into segments based on demographics, transaction frequency, account balance, or preference concerning Web-enabled or branch banking.

COMPANY NAME: Vendor Independent (999999)  
SPECIAL FEATURE: Charts  
DESCRIPTORS: EDI (Electronic Data Interchange); CRM; XML; Teradata;  
Personalization; Software Selection; Banks; Data Mining  
REVISION DATE: 20020330

9/5/3

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00133548 DOCUMENT TYPE: Review

PRODUCT NAMES: Outsourcing (840661); Insurance (832499)

TITLE: BOP Carrier No Longer Needs a Legion of Staff  
AUTHOR: MacSweeney, Greg  
SOURCE: Insurance & Technology, v26 n9 p22(1) Aug 2001  
ISSN: 1054-0733  
HOMEPAGE: <http://www.insurancetech.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Legion Insurance of Philadelphia, a property-and-casualty carrier, found that its inefficient processes were eroding profits. Its policy issuance procedures required double data entry at its company and at Lockton Risk Services, Legion's managing general agent. Lockton was already having **success** with technology vendor, Instec, and **recommended** it to Legion. One of the deciding factors about **choosing** Instec was that its **product** did not require **new** hardware for either company. Legion already had Microsoft's SQL Server for storing data and had the Internet servers. When Lockton sends policies to Legion, they are forwarded to CSC's AS/400 systems for policy processing as part of the outsourcing arrangement. The development of the project did not require much of a labor commitment from Legion.

COMPANY NAME: Vendor Independent (999999)  
DESCRIPTORS: Outsourcing; Insurance; Property & Casualty Insurance; SQL  
Server; IBM AS/400  
REVISION DATE: 20011230

9/5/4

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2002 Info.Sources Inc. All rts. reserv.

00129673 DOCUMENT TYPE: Review

PRODUCT NAMES: Storage Virtualization (845345)

TITLE: Storage Visualization: Its Changing Definition  
AUTHOR: Gonzalez, Augie  
SOURCE: Computer Technology Review, v21 n3 p34(1) Mar 2001  
ISSN: 0287-9647  
HOMEPAGE: <http://www.westworldproductions.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

A discussion of the fluctuating definition of storage virtualization tries to delve into 'some of the key issues and questions around virtualization to help end-users ascertain if the products they're considering constitute true virtualization.' Topics covered include the claims of providers, selling virtualization to upper level management, virtualization for disaster recovery over distant sites, interoperability, and mainstreaming virtualization. When **choosing** a product, companies must size up the vendor, which could be feeling that it is in a weak market position and might tend to claim support for many features not likely to appear for a long time. However, technology inventors and their evangelists and users could have a more realistic interest in validating their approaches. The latter vendors are likely to be able to show off real customers that use their products effectively. In pitching virtualization to management, users should prepare **analyses** of **return** on investment, total cost of ownership, and those who will receive advantages the fastest (who are likely to be system administrators). Some virtualization systems can cover multiple locations and support mobile and remote workers. Virtualization should be detached from the limitations of LANs, WANs, and SANs that link storage **farms**. The system should **differentiate** between block virtualization and file sharing.

COMPANY NAME: Vendor Independent (999999)  
DESCRIPTORS: Storage Management; Network Software  
REVISION DATE: 20010730

9/5/5

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2002 Info.Sources Inc. All rts. reserv.

00128683 DOCUMENT TYPE: Review

PRODUCT NAMES: mySAP HR 4.6 (036277); PeopleSoft Workforce Analytics (036285); ExecuTRACK (577502)

TITLE: Requiem For A Paperweight: A new wave of Web-enabled software...  
AUTHOR: Shein, Esther  
SOURCE: CFO, v16 n15 p81(3) Winter 2000  
ISSN: 8756-7113  
HOMEPAGE: <http://www.cfonet.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

SAP's MySAP HR 4.6, PeopleSoft's Workforce Analytics, and HRSoft's ExecuTRACK are **new types** of Web-ready software that assist companies in increasing the efficiencies of their human resources services and also help evaluate and document workers skills. The new tools speed and ease high-volume, low-value processes and also improve service to employees. For instance, employee self-service applications allow workers to file claim forms electronically, download expense reports, change personal data, and conduct other tasks. Automation and worker-completed tasks reduce the workload for HR staff and can greatly reduce paperwork. MySAP HR includes payroll and benefits abilities, in addition to **succession planning**. The tools also allow managers to analyze a workforce and create a catalog of skills required to run a particular business. Workforce Analytics' components include Workforce Scorecard (which provides over 100 separate measurements for HR effectiveness), Workforce Insight, and Workforce Rewards. KLA-Tencor, which has 6,000 employees in 19 countries, **chose** Workspace toolset. Workspace should save about \$1 million a year by allowing end-users to change their benefit choices for the following year. Thomson **chose** ExecuTrack to assist its senior executives with **succession planning**.

COMPANY NAME: SAP America Inc (524697); PeopleSoft Inc (484521); HRSoft  
Inc (597384)  
DESCRIPTORS: Human Resource Management; Employment History; Benefit  
Administration; Business Planning  
REVISION DATE: 20010430

9/5/6

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00108651 DOCUMENT TYPE: Review

PRODUCT NAMES: Biometrics (830213); Standards (830218)

TITLE: Standards Coming to Biometrics Market  
AUTHOR: Phillips, Ken  
SOURCE: PC Week, v15 n21 p111(3) May 25, 1998  
ISSN: 0740-1604

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

At the International Computer Security Association's recent CardTech/SecurTech conference, the International Computer Security Association announced the first of six **products** that meet its **new** certification standards. The BioAPI Consortium, an organization made up of industry giants IBM, Compaq Computer, Microsoft, and Novell, also announced that it will begin guiding biometric application programming interface (API) development. Other companies joining the effort are Identicator Technology (for finger **identification**) and Miros (for face verification). Both announcements are regarded positively by the industry, but the issue is still unresolved of how helpful certification will be to buyers. The API announcement will also probably create uncertainty over the next few months, as outside vendors attempt to make their ideas part of the development flow. Some testers will find certification and API development efforts helpful in **evaluating** the **success** of biometric products for authenticating users on corporate networks. Until now, products have been rated mostly on their features, ease of use, and manageability, because stability and interoperability have not be easily quantifiable. One great benefit of the ICSA's certification process is the ability to verify the accuracy of vendors' claims regarding false reject rate and false acceptance rate.

COMPANY NAME: Vendor Independent (999999)  
SPECIAL FEATURE: Tables  
DESCRIPTORS: Biometrics; Computer Security; Standards  
REVISION DATE: 20011126

9/5/7

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00107867 DOCUMENT TYPE: Review

PRODUCT NAMES: Data Warehouses (834289)

TITLE: Power and risks of warehousing  
AUTHOR: Watson, Thomas  
SOURCE: Computing Canada, v24 n11 p17(2) Mar 23, 1998  
ISSN: 0319-0161  
HOMEPAGE: <http://www.plesman.com/cc>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Large companies such as NCR and IBM control the high-end data warehousing market and are able to provide customers with the ability to query virtually anything, not just predefined questions. NCR does acknowledge that the value of building ad-hoc query features is considered soft by CEOs, considering the multimillion dollar price tag. About 90 percent of NCR customers use their warehouses for ad hoc queries, and derive significant value out of them. One NCR customer, an insurance company with a 1.4TB database, saved \$250 million in one year by **identifying** best practices and redirecting customers to hospitals with better patient-care statistics than the national average. However, several companies have failed at large-scale data warehousing. IBM indicates that although NCR has an impressive history in high-end data warehousing, IBM has the biggest revenue share of large-scale data warehousing projects. To strengthen its position, IBM launched a **new** initiative that includes **new products**, consulting services, and partnerships to focus more on the fast-growing business intelligence market. Both companies agree that the data warehouse market will continue to grow, despite the large **percentage** of failed **projects**.

COMPANY NAME: Vendor Independent (999999)  
DESCRIPTORS: Data Warehouses; Decision Support Systems; Information Retrieval; Software Marketing; NCR; IBM  
REVISION DATE: 19980830

9/5/8

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00104723 DOCUMENT TYPE: Review

PRODUCT NAMES: Scenario 1.0 Windows 95 & NT (663441)

TITLE: Mine Your Data for Statistical Gems  
AUTHOR: Gilliland, Steve  
SOURCE: Computer Shopper, v17 n10 p474(1) Oct 1997  
ISSN: 0886-0556  
HOMEPAGE: <http://www.computershopper.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

Cognos' Scenario 1.0, a robust statistical tool with features generally available only to those with a statistician on board and a huge software budget, is called data mining software. This type of program can look into huge amounts of data and apply recognized statistical methods to find otherwise unnoticed but useful information. Scenario is very **different** than most competing **products**, in its pricing and its real ease of use. Any user who can take the time to practice for a few hours with Scenario can learn to use it with aplomb. Using information in an organization's databases, users can produce a line graph and a tree view. Both show the facets of the data that influence the trend of a target analysis, in descending order of importance. The **target** can be sales, **profit**, advertising, costs, or any other type of data in a company's, customer's, or any combination of databases. In graph and tree views, users can see many statistical values, including sample size, standard deviation, and outliers. They can drill-down into data. Scenario uses a form of the regressive Chi-Squared Automatic Interaction Detection algorithm. Users **choose** a target column or dependent variable, and also **choose** an analysis strategy to verify the precision and dependability of Scenario's conclusions.

PRICE: \$695

COMPANY NAME: Cognos Corp (027294)

SPECIAL FEATURE: Screen Layouts Charts  
DESCRIPTORS: Windows; Statistics; Windows NT/2000; IBM PC & Compatibles;  
Database Utilities; Pattern Recognition; Information Retrieval  
REVISION DATE: 20000830

9/5/9

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00102923 DOCUMENT TYPE: Review

PRODUCT NAMES: Warehouse Management (830354)

TITLE: Managing the Books

AUTHOR: Ard, Catherine

SOURCE: ID Systems, v17 n5 p84(3) May 1997

ISSN: 0892-676X

HOME PAGE: <http://www.idsystems.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Until recently, the 20-acre warehouse at Random House Publishing relied mainly on paper-based warehouse management methods. The labor-intensive warehouse has been transformed into an automated, real-time automated system. Productivity has increased significantly, and every step in the warehousing cycle has been automated. The publisher, which distributes more than 20,000 titles from the 800,000 square foot warehouse, ships as many as 16,000 packages a day. Before the automated warehouse system was implemented, the publisher could not maintain this level of **productivity**. The **new** system offers 24-hour service with its customized control system and manifesting system. The rating and routing system rates small parcels, and **determines** rates for less-than-truckload (LTL) shipments by accessing several rate tables for over a hundred national and regional carriers. Orders that come into the warehouse are sent through a mainframe order fulfillment system, which then sends the orders to the warehouse component. The warehouse application then specifies the type of order, and assigns a unique purchase order number to each order. The order travels through the routing process, and works with the rating system, which **calculates** the rate and **returns** it to the warehouse system. The warehouse system then generates a bar-coded carton label. Shipments are confirmed, and the system then creates a pick plan. After cartons are picked, they travel down a conveyor, where they are scanned and verified.

COMPANY NAME: Vendor Independent (999999)

DESCRIPTORS: Warehouse Management; AutoID; Freight Processing; Publishing;  
Shipping; Order Processing; Barcoding

REVISION DATE: 20020530

9/5/10

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00077909 DOCUMENT TYPE: Review

PRODUCT NAMES: OOP (Object Oriented Languages) (830425)

TITLE: Objective View Of Objects

AUTHOR: Tibbetts, John Bernstein, Barbara

SOURCE: Information Week, v523 p108(1) Apr 17, 1995

ISSN: 8750-6874

HOME PAGE: <http://www.informationweek.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis



GRADE: Product Analysis, No Rating

Object-oriented (OO) computing is here to stay, although some users think the technology delivers less than it promises. OO systems represent a completely new computing paradigm, and for this reason they will gain acceptance slowly. They have proved invaluable for complex tasks, including user interfaces, network management, and workflow. In these **products**, object-based applications manage many **different** components, which are activated simultaneously to create complex environments impossible to design using any other method. The biggest problem for object-based development is the fact that developers must work within a functional programming infrastructure. To date, **successful** object-based **projects** remain tiny segments in a mass of functional systems. Under these conditions, programmers must carefully **choose** which modules should be object-oriented and avoid too much OO infusion until object standards are firmly entrenched.

COMPANY NAME: Vendor Independent (999999)  
DESCRIPTORS: OOP (Object Oriented Programming); Programming Languages  
REVISION DATE: 20020227

9/5/11

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00072932 DOCUMENT TYPE: Review

PRODUCT NAMES: Checkpoint 2.3 (487601)

TITLE: Software Ship Dates Under Scrutiny  
AUTHOR: Lawton, George  
SOURCE: Software Magazine, v15 n1 p26(1) Jan 1995  
ISSN: 0897-8085  
HOMEPAGE: <http://www.softwaremagazine.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Software Productivity Research's Checkpoint 2.3, an estimation product with links to popular project management products, gives users the tools they need to measure project management and quality control. These functions help software developers meet delivery schedules, by **determining** the quantity of work to be done. Users are advised to develop databases of information from **successful**, on-time **projects**, for use with **new** ones. This **type** of estimation is usually employed for traditional software development environments, as viewed by Carnegie-Mellon University's Software Engineering Institute (SEI). However, developers of future operating systems and other software must assume exponentially increasing levels of complexity in order to ensure future software efficacy and extensibility; often ship dates are not as important as final code quality and features.

COMPANY NAME: Software Productivity Research Inc (576824)  
DESCRIPTORS: Project Management; Project Cost Estimating; Quality Assurance; Scheduling; Program Development; Software Cost Estimating  
REVISION DATE: 19950430

9/5/12

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00064353 DOCUMENT TYPE: Review

PRODUCT NAMES: PeopleSoft HRMS (698156); Express (368113); CA-Datcom (302163)

**TITLE:** HRIS Vendor Shakeout

**AUTHOR:** Leinfuss, Emily

**SOURCE:** Benefits & Compensation Solutions, v16 n4 p34(3) Apr/May 1994

**ISSN:** 0194-6196

**HOME PAGE:** <http://www.bcsolutionsmag.com>

**RECORD TYPE:** Review

**REVIEW TYPE:** Product Analysis

**GRADE:** Product Analysis, No Rating

The number of human resources information systems (HRIS) available after the client/server shakeup ends will be smaller than the number available now. Many vendors will consolidate products, especially as mainframe products are ported to run under UNIX, on LANs, and on PCs. Vendors are investing in research and development, rather than working on adding functions. However, functionality in the end will make or break HRIS vendors in the client/server environment. One user, a senior **compensation analyst**, is replacing IBM mainframe systems with PeopleSoft because it is the only seasoned client/server HRIS **product** available. **Another** user for a major telecommunications provider **chose** PC Express, a decision support HR package. A third user **chose** to build a system in-house to avoid vendor choices. This decision was made after a crucial product in the HR department, CA-Datcom, was purchased by Computer Associates, which fortunately continues to support the product.

**COMPANY NAME:** PeopleSoft Inc (484521); IRI Software (340308); Computer Associates International Inc (081957)

**DESCRIPTORS:** Human Resource Management; Network Software; LANs; Distributed Processing; Client/server

**REVISION DATE:** 19990530

12/5/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01370207 DOCUMENT TYPE: Product

**PRODUCT NAME: Raosoft SURVEYWin 4.2 (370207)**

Raosoft Inc (526126)  
6645 NE Windermere Rd  
Seattle, WA 98115-7942 United States  
TELEPHONE: (206) 525-4025

RECORD TYPE: Directory

CONTACT: Sales Department

Raosoft SURVEYWin 4.2 provides for information handling, analysis and database management for beginners as well as advanced users. It handles data in the context of a survey form so it is easy to understand. The system offers: (1) uniquely easy object-based form design; (2) validated entry; (3) one-click statistical analysis; (4) graphical analysis; (5) presentation graphics; (6) custom reports and mail merge; (7) electronic entry; (8) free UShow for sending results; and (9) import and export from dBASE, Lotus-type and ASCII files. There is no limit to the number of variables or questionnaires (cases) other than capacity. The system allows flexible question design including multiple-choice, weighted score, open-ended, date, time and numeric, with unlimited skip patterns. Samples and a booklet on survey construction are included. Analysis includes multiple cross-tabulations, chi square, correlations, single regression and t-test. Other features include: (1) sample size; (2) hypothesis testing; (3) calculations; (4) basic statistics provided in a template; (5) unique summary overview for instant analysis of data; (6) flexible query; and (7) bar and pie graphs, graph editing and slideshow construction. Applications include measuring customer satisfaction, product and service quality assurance, training **evaluations**, **new product** features, employee reviews, **compensation** reviews, telemarketing, political polling, program **evaluation** and community opinion gathering.

DESCRIPTORS: Survey Research; Politics; Market Research; Statistics;  
Regression Analysis

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: Windows; Windows NT/2000  
PROGRAM LANGUAGES: C++  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Human Resources, Marketing, Quality Programs, Medical,  
Testing, Political Campaigns, Training  
DATE OF RELEASE: 09/91  
PRICE: \$495; includes 60 days support; network - \$249 each node; site  
licensing available

NUMBER OF INSTALLATIONS: 10000  
DOCUMENTATION AVAILABLE: Online documentation; user manuals  
TRAINING AVAILABLE: User installed; technical support  
OTHER REQUIREMENTS: 4MB RAM required  
SERVICES AVAILABLE: Custom programming  
REVISION DATE: 020117

12/5/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00086367 DOCUMENT TYPE: Review

**PRODUCT NAMES: Company - Quarterdeck Office Systems (852929)**

**TITLE:** Quarterdeck turnaround tied to acquisitions, new products  
**AUTHOR:** Moltzen, Edward F  
**SOURCE:** CRN, v651 p38(1) Oct 2, 1995  
**ISSN:** 0893-8377  
**HOME PAGE:** <http://www.crn.com>

**RECORD TYPE:** Review  
**REVIEW TYPE:** Company

Quarterdeck continues to rebound in the wake of its recent success in takeovers and its introduction of **new products**. CEO Gaston Bastiaens concurs with **analysts** and observers who predict higher **revenues** in 1996. He further acknowledges that current negotiations are aimed at further acquisitions and expanding Internet-related revenues and remote computing facilities. Overall, Quarterdeck anticipates that a greater proportion of its future revenues will be garnered from SOHO sales as Windows 95 proliferates throughout the home computer market. This is a new direction for Quarterdeck.

**COMPANY NAME:** Quarterdeck Office Systems (312061)  
**DESCRIPTORS:** Software Marketing; System Utilities; Office Automation; Internet Utilities; Remote Network Access; Small Business  
**REVISION DATE:** 20020124

12/5/3

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00081652 DOCUMENT TYPE: Review

**PRODUCT NAMES:** Company - Delrina Division-Symantec (850365); Company - Symantec Corp (850373)

**TITLE:** Symantec Saying Buy, Buy  
**AUTHOR:** Hayes, Mary  
**SOURCE:** Information Week, v537 p100(1) Jul 24, 1995  
**ISSN:** 8750-6874  
**HOME PAGE:** <http://www.informationweek.com>

**RECORD TYPE:** Review  
**REVIEW TYPE:** Company

PC utility market-leader Symantec recently agreed to purchase Delrina, a fax software vendor. Delrina products further strengthen Symantec's growing list of advanced products destined to replace an older line. The acquisition is one of many by Symantec, but is the largest so far. The two firms mesh well together, say analysts, since Delrina's WinFax owns 72 percent of the market and can **augment** the functions of many Symantec **products**. One **analyst** says that Symantec needs the **revenue** generated by products like WinFax, since half of Symantec's development resources go for its growing enterprise software division. Moreover, software consolidation is ongoing, and the merger will help both companies prosper in an increasingly cutthroat market. Analysts also worry, however, that the \$415-million cost of the acquisition will adversely impact 1996 earnings.

**COMPANY NAME:** Delrina Division-Symantec (456071); Symantec Corp (386251)  
**SPECIAL FEATURE:** Graphs  
**DESCRIPTORS:** Software Marketing; Fax Software; System Utilities  
**REVISION DATE:** 19980530

12/5/4

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
(c)2002 Info.Sources Inc. All rts. reserv.

00074846 DOCUMENT TYPE: Review

PRODUCT NAMES: OS/2 Warp (526576)

TITLE: Early Warp: It sells, but growing pains ahead

AUTHOR: Mardesich, Jodi

SOURCE: CRN, \_ v612 p57(2) Jan 9, 1995

ISSN: 0893-8377

HOMEPAGE: <http://www.crn.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

IBM reports sales of more than 800,000 copies of OS/2 since the new operating system began shipping. IBM is calling the **new product** a **success**, but some users and **analysts** view it differently. Some new users are frustrated by inadequate support of the product, installation problems, and driver incompatibilities. Several software stores and distributors have reported a 10 percent product return rate, which is normal. IBM has repositioned the product for a new market, which may account for the installation and support problems. Analysts estimate that the early sales success can be attributed to IBM's aggressive ad campaign.

COMPANY NAME: IBM Corp (351245)

DESCRIPTORS: Operating Systems; OS/2; IBM PC & Compatibles; Software Marketing

REVISION DATE: 20020124

12/5/5

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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00062774

DOCUMENT TYPE: Review

PRODUCT NAMES: Company - Microsoft Corp (850195)

TITLE: Microsoft unveils PPC plans

AUTHOR: Hall, Mark

SOURCE: MacWEEK, v8 n16 p1(2) Apr 18, 1994

ISSN: 0892-8118

HOMEPAGE: <http://www.macweek.com>

RECORD TYPE: Review

REVIEW TYPE: Company

Microsoft Corporation recently revealed pricing for Excel, Word, PowerPoint, and Office Suites for the PowerPC platform. The company plans to discount each package heavily, but the products will not be available until August of 1994. Reaction to the August release date by users is mixed--a Florida VP for a reseller indicates that Microsoft may be waiting too long to release applications, and could lose market share. Another user, a specialist for the Peace Corps, has ninety sites with 1,000 users waiting for the products. According to a Mac support services firm, Microsoft traditionally delivers Mac **products** late. Still **another** industry **analyst** believes that Microsoft cannot directly **profit** from making the Power Mac successful, since the lion's share of Microsoft's business is in the Microsoft Windows/Intel market.

COMPANY NAME: Microsoft Corp (112127)

SPECIAL FEATURE: Charts

DESCRIPTORS: Office Automation; Apple Macintosh; Software Marketing; MacOS

REVISION DATE: 20001130

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NPL Bib (extra)

Set	Items	Description
S1	7393517	FARM? OR PHARM? ? OR PHARMING? OR FIELD? ? OR AGRICULTUR? - OR GRANG? OR HOMESTEAD? OR PLANTATION? OR HACIENDA? OR AREA? ? OR LAND? ? OR TRACT? OR REAL()ESTATE? OR ACRE? OR RANCH? OR - HECTARE? OR INTERCROPP?
S2	9373199	CROP? ? OR PLANT? ? OR MONEYCROP? OR (CROP? ? OR PRODUCT? ?)(1W)INTEREST? OR HARVEST? ? OR PRODUCE OR PRODUCT? ? OR AGR- IBUSINESS OR SPECIES OR GREENHOUSE? OR AGROFORESTRY?
S3	790553	S2(5N)(NEW? ? OR SECOND OR 2ND OR ADDITIONAL OR ALTERNATIV- E? OR DIFFERENT? OR SUPPLEMENT? OR EXTRA? OR ANOTHER? OR AUGM- ENT? OR ADDED OR BACK()UP?)
S4	18463349	ANALYS? OR ANALYZ? OR FORECAST? OR ESTIMAT? OR PLAN OR PLA- NNED OR PLANNING OR CALCULAT? OR PICK? OR RECOMMEND? OR EVALU- AT? OR TARGET? OR PROJECT
S5	163446	S4(5N)(PROFIT? ? OR EARNING? OR RETURN? ? OR SUCCESS? OR - LUCRATIVE OR MONEYMAKER? OR COMPENSATION OR DIVIDEND? OR INCO- ME? OR PERCENTAGE? OR PROCEEDS OR RECEIVABLE? OR REVENUE? OR - ALLOCATION? OR MPF OR MOST()PROFITABLE()FARM?)
S6	2603	S3 AND S5
S7	69	S6 AND (DATABASE? OR DATA()BASE? OR FILE?) OR DATABANK? OR DATA()BANK? OR KNOWLEDGEBASE? OR KNOWLEDGE()BASE? OR (EXPERT OR SMART)()SYSTEM? OR RDBM OR DBMS OR RDB OR DB OR DBS OR OODB OR ODBC)
S8	58	S7 NOT PY=>2001
S9	40	RD (unique items)

9/5/1 (Item 1 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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12944316 BIOSIS NO.: 200100151465

**Preliminary analysis of expressed sequence tags for sugarcane.**

AUTHOR: Carson Deborah L; Botha Frederik C(a)

AUTHOR ADDRESS: (a)Institute for Plant Biotechnology, Univ. of  
Stellenbosch, Matieland, 7602: xtecdc@sugar.org.za, FCB@land.sun.ac.za\*\*  
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JOURNAL: Crop Science 40 (6):p1769-1779 November-December, 2000

MEDIUM: print

ISSN: 0011-183X

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

**ABSTRACT:** Sugarcane (*Saccharum* spp. hybrids), with its complex polyploid genome, is not well understood at the genetic level. Partial sequencing of anonymous cDNA clones is a widely used technique for gene identification. These partial cDNA sequences, or Expressed Sequence Tags (ESTs) have potential application for the identification of important genes for genetic manipulation. This study aimed to initiate the preliminary development of an EST **database** for sugarcane and thereby gain some potentially useful information on sugarcane gene sequences. A nondirectional cDNA library has been constructed from sugarcane leaf roll (meristematic region) tissue. Two hundred fifty clones have been randomly selected, subjected to single-pass sequencing from the 5' end of the vector, and identified by sequence similarity searches against gene sequences in international **databases**. Of the 250 leaf roll clones, 26% exhibit similarity to known plant genes, 50% to non-**plant** genes, while 24% represent **new** gene sequences. Analysis of the identified clones indicated sequence similarity to a broad diversity of genes encoding proteins such as enzymes, structural proteins, and regulatory factors. A significant proportion of genes identified in the leaf roll were involved in processes related to protein synthesis and protein modification, as would be expected in meristematic tissues. These results present a **successful** application of EST **analysis** in sugarcane and provide a preliminary indication of gene expression in leaf roll tissue.

**DESCRIPTORS:**

MAJOR CONCEPTS: Agronomy (Agriculture); Molecular Genetics (Biochemistry and Molecular Biophysics)

BIOSYSTEMATIC NAMES: Gramineae--Monocotyledones, Angiospermae, Spermatophyta, Plantae

ORGANISMS: *Saccharum* spp. {sugarcane} (Gramineae)--sugar crop

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): Angiosperms; Monocots; Plants; Spermatophytes; Vascular Plants

CHEMICALS & BIOCHEMICALS: expressed sequence tags--partial complementary DNA sequences, preliminary analysis

**CONCEPT CODES:**

52502 Agronomy-General, Miscellaneous and Mixed Crops

03502 Genetics and Cytogenetics-General

03504 Genetics and Cytogenetics-Plant

52510 Agronomy-Sugar Crops

**BIOSYSTEMATIC CODES:**

25305 Gramineae

9/5/2 (Item 2 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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12800775 BIOSIS NO.: 200100007924

**Comparison of results of average daily diet composition calculated according to FRI-FAO programme "ALIMENTA", Polish programme "FOOD2" and results of chemical analysis.**

AUTHOR: Kunachowicz Hanna(a); Klys Wojciech  
AUTHOR ADDRESS: (a)Instytut Żywności i Żywienia, Powsinska 61/63, 02 903,  
Warszawa: h.kunachowicz@izz.k2.pl\*\*Poland  
JOURNAL: Journal of Food Composition and Analysis 13 (4):p475-493 August,  
2000  
MEDIUM: print  
ISSN: 0889-1575  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English

ABSTRACT: One of the goals of CEECFOODS network activities is building up the subregional food composition **database**. The need for systems and equipment to manage and exchange data electronically requires software that can link a variety of systems and increase the efficient management and dissemination of data on food composition. One such software is the FAO programme ALIMENTA. During the CEECFOODS Steering Committee Meeting in Bratislava in November 1998. ALIMENTA was submitted to CEECFOODS members for evaluation. In Poland in 1998 a **new** corrected **database** of 610 food **products** with 77 nutrients plus energy value was worked out. This **database** is connected with software programme FOOD2. The goal of this work was to recognize the usefulness of ALIMENTA and FOOD2 for the above purposes. The composition of the five Polish daily diets: R1 - blue-collar workers, low income, NR1 - white-collar workers, low income, R2 - blue-collar workers, medium income NR2 - white-collar workers, medium **income**, and NZ - unemployed, were **analysed** by ALIMENTA, FOOD2 and chemical analysis. The diets were reconstructed in the laboratory using typical technological processes from 80 food products according to survey data from the household budgets reported by the Polish Central Statistical Bureau.

DESCRIPTORS:

MAJOR CONCEPTS: Foods; Information Studies; Nutrition  
CHEMICALS & BIOCHEMICALS: **databases**; nutrients--analysis  
METHODS & EQUIPMENT: chemical analysis--analytical method  
GEOGRAPHICAL NAME: Poland (Europe, Palearctic region)  
MISCELLANEOUS TERMS: ALIMENTA program; CEECFOODS network; FOOD2  
program; Polish dietary practices; average daily diet composition--  
calculations; diets

CONCEPT CODES:

13202 Nutrition-General Studies, Nutritional Status and Methods  
00530 General Biology-Information, Documentation, Retrieval and  
Computer Applications  
13502 Food Technology-General; Methods

9/5/3 (Item 3 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)  
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12583937 BIOSIS NO.: 200000337439

**Application of pulsed-field gel electrophoresis and binary typing as tools in veterinary clinical microbiology and molecular epidemiologic analysis of bovine and human Staphylococcus aureus isolates.**

AUTHOR: Zadoks Ruth(a); van Leeuwen Willem; Barkema Herman; Sampimon Otlis;  
Verbrugh Henri; Schukken Ynte Hein; van Belkum Alex  
AUTHOR ADDRESS: (a)Quality Milk Promotion Services, Department of  
Population Medicine and Diagnostic Sciences, Cornell University, 22  
Thornwood Dr., Park View Technology Center I, Ithaca, NY, 14850-1263\*\*USA  
JOURNAL: Journal of Clinical Microbiology 38 (5):p1931-1939 May, 2000  
MEDIUM: print  
ISSN: 0095-1137  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English



**ABSTRACT:** Thirty-eight bovine mammary *Staphylococcus aureus* isolates from diverse clinical, temporal, and geographical origins were genotyped by pulsed-field gel electrophoresis (PFGE) after *Sma*I digestion of prokaryotic DNA and by means of binary typing using 15 strain-specific DNA probes. Seven pulsed-field types and four subtypes were identified, as were 16 binary types. Concordant delineation of genetic relatedness was documented by both techniques, yet based on practical and epidemiological considerations, binary typing was the preferable method. Genotypes of bovine isolates were compared to 55 previously characterized human *S. aureus* isolates through cluster analysis of binary types. Genetic clusters containing strains of both human and bovine origin were found, but bacterial genotypes were predominantly associated with a single host species. Binary typing proved an excellent tool for comparison of *S. aureus* strains, including methicillin-resistant *S. aureus*, derived from **different** host **species** and from **different** **databases**. For 28 bovine *S. aureus* isolates, detailed clinical observations in vivo were compared to strain typing results in vitro. Associations were found between distinct genotypes and severity of disease, suggesting strain-specific bacterial virulence. Circumstantial evidence furthermore supports strain-specific routes of bacterial dissemination. We conclude that PFGE and binary typing can be **successfully** applied for genetic **analysis** of *S. aureus* isolates from bovine mammary secretions. Binary typing in particular is a robust and simple method and promises to become a powerful tool for strain characterization, for resolution of clonal relationships of bacteria within and between host species, and for identification of sources and transmission routes of bovine *S. aureus*.

**REGISTRY NUMBERS:** 61-32-5: METHICILLIN

**DESCRIPTORS:**

**MAJOR CONCEPTS:** Genetics; Infection; Veterinary Medicine (Medical Sciences); Methods and Techniques

**BIOSYSTEMATIC NAMES:** Bovidae--Artiodactyla, Mammalia, Vertebrata, Chordata, Animalia; Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia; Micrococcaceae--Gram-Positive Cocci, Eubacteria, Bacteria, Microorganisms

**ORGANISMS:** *Staphylococcus aureus* (Micrococcaceae)--methicillin-resistant, pathogen, transmission; bovine (Bovidae); human (Hominidae)

**ORGANISMS: PARTS ETC:** mammary gland--reproductive system, secretion

**BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA):** Animals; Artiodactyls; Bacteria; Chordates; Eubacteria; Humans; Mammals; Microorganisms; Nonhuman Mammals; Nonhuman Vertebrates; Primates; Vertebrates

**CHEMICALS & BIOCHEMICALS:** methicillin--antibacterial-drug

**METHODS & EQUIPMENT:** binary typing--analytical method; pulsed-field gel electrophoresis--analytical method

**MISCELLANEOUS TERMS:** molecular epidemiology; veterinary clinical microbiology

**CONCEPT CODES:**

36002 Medical and Clinical Microbiology-Bacteriology

10060 Biochemical Studies-General

10502 Biophysics-General Biophysical Studies

38002 Veterinary Science-General; Methods

37052 Public Health: Epidemiology-Communicable Diseases

31500 Genetics of Bacteria and Viruses

**BIOSYSTEMATIC CODES:**

07702 Micrococcaceae (1992- )

85715 Bovidae

86215 Hominidae

9/5/4 (Item 4 from file: 5)

DIALOG(R) File 5:Biosis Previews(R)

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12461276 BIOSIS NO.: 200000214778

**Optimizing time distribution of water supply and fertilizer nitrogen rates in relation to targeted wheat yields.**

**AUTHOR:** Sandhu K S(a); Arora V K(a); Chand Ramesh; Sandhu B S; Khara K L(a)

AUTHOR ADDRESS: (a)Department of Soils, Punjab Agricultural University,  
Ludhiana, 141 004\*\*India  
JOURNAL: Experimental Agriculture 36 (1):p115-125 Jan., 2000  
ISSN: 0014-4797  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English

ABSTRACT: Long-term field experiments were conducted at six different sites (representing dryland and irrigated environments) with wheat (*Triticum aestivum*) on sandy loam soils to generate a **database** relating available water supply and fertilizer nitrogen (N) rate to grain yield. Stepwise multiple regression analysis showed that water supply and fertilizer N at more than 53 cm a-1 and 103 kg ha-1 a-1 were unproductive. A method, based on the principle of equimarginal productivity of water in **different** periods of **crop** growth, has been used to **estimate** the optimum **allocation** of the variable amounts of water supply over the growing season. The optimized quantities of water in **different** periods of **crop** growth were then employed to compute fertilizer N requirement to achieve a given yield target. For medium grain yield targets (4-5 t ha-1), the range of substitution between fertilizer N and water for efficient resource use was quite wide.

REGISTRY NUMBERS: 7727-37-9: NITROGEN

DESCRIPTORS:

MAJOR CONCEPTS: Agronomy (Agriculture)

BIOSYSTEMATIC NAMES: Gramineae--Monocotyledones, Angiospermae, Spermatophyta, Plantae

ORGANISMS: *Triticum aestivum* {wheat} (Gramineae)--grain crop

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): Angiosperms; Monocots; Plants; Spermatophytes; Vascular Plants

CHEMICALS & BIOCHEMICALS: nitrogen--application rate, fertilizer

MISCELLANEOUS TERMS: targeted yield; water supply time distribution

CONCEPT CODES:

52504 Agronomy-Grain Crops

51502 Plant Physiology, Biochemistry and Biophysics-Water Relations

51504 Plant Physiology, Biochemistry and Biophysics-Nutrition

51526 Plant Physiology, Biochemistry and Biophysics-General and Miscellaneous

BIOSYSTEMATIC CODES:

25305 Gramineae

98000 98000 entry not found

9/5/5 (Item 5 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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11607780 BIOSIS NO.: 199800389533

**Time-series in vegetation science. Analysis and interpretation of data from individual plots. Examples from the Swiss National Park.**

AUTHOR: Schuetz Martin(a); Kruesi Bertil O(a); Achermann Gerald; Graemiger Helena

AUTHOR ADDRESS: (a)Eidgenoessiche Forschungsanstalt Wald, Schnee Landschaft, Zuercherstr. 111, CH-8903 Birmensdorf\*\*Germany

JOURNAL: Botanica Helvetica 108 (1):p105-124 June, 1998

ISSN: 0253-1453

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English; German

ABSTRACT: In vegetation science, data from permanent plots are of great importance for understanding long-term processes and their underlying causes. The longer a permanent plot exists, however, the more difficult it becomes to interpret the observed changes. There are no longer any truly comparable replications in space and, consequently, no information

is available on the natural variability of the system studied. Time series from individual plots can, nevertheless, be properly and **successfully analysed** and interpreted, provided an adequate system of reference is available. In the present paper, a regionally defined system of reference is proposed. It consists of statistically derived vegetation units, characterized by **different** probabilities with which the **different plant species** occur. Data from a individual permanent plot can now be analysed and interpreted by comparing every relevee of the time series with every vegetation unit of the reference system. Vegetation has changed during the period studied, if the probabilities of belonging to the different units of the reference system have changed significantly. The proposed approach was tested using data from permanent plots in the Swiss National Park. The units of the regional reference system "Swiss National Park 1917-1996" were defined based on the relevees made in approximately 100 permanent plots established and monitored in the Park from 1917 onwards, using multivariate methods. Since every unit is described by more than 20 relevees, their natural variability in space and time is well documented. The findings were compared with the results obtained using both **expert systems** of the traditional plant sociology and newer but well established multivariate methods e.g. based on replications in space or on small number of subjectively selected relevees of reference (fuzzy ordination). No matter what method was used, the conclusions on whether and when a change occurred were surprisingly consistent. The proposed regionally defined system of reference, however, represents by far the scientifically most sound and convincing solution for dealing with data from individual permanent plots, especially, when combined with a probability model.

#### DESCRIPTORS:

MAJOR CONCEPTS: Ecology (Environmental Sciences); Methods and Techniques  
 BIOSYSTEMATIC NAMES: Plantae  
 ORGANISMS: plants (Plantae)  
 BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): Plants  
 METHODS & EQUIPMENT: individual plot-based research--data analysis, data interpretation, field method  
 GEOGRAPHICAL NAME: Swiss National Park (Switzerland, Europe, Palearctic region)  
 MISCELLANEOUS TERMS: time-series; vegetation science

#### CONCEPT CODES:

07506 Ecology; Environmental Biology-Plant  
 01008 Methods, Materials and Apparatus, General-Field Methods  
 51524 Plant Physiology, Biochemistry and Biophysics-Apparatus and Methods

#### BIOSYSTEMATIC CODES:

11000 Plantae-Unspecified

9/5/6 (Item 6 from file: 5)  
 DIALOG(R)File 5:Biosis Previews(R)  
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08852307 BIOSIS NO.: 199396003808

**Identification of bacteria associated with postharvest diseases of fruits and vegetables by cellular fatty acid composition: An expert system for personal computers.**

AUTHOR: Wells J M; Butterfield J E; Revear L G  
 AUTHOR ADDRESS: U.S. Dep. Agric., ARS, Eastern Regional Res. Cent., 600 E. Mermaid Lane, Philadelphia, PA 19118\*\*USA  
 JOURNAL: Phytopathology 83 (4):p445-455 1993  
 ISSN: 0031-949X  
 DOCUMENT TYPE: Article  
 RECORD TYPE: Abstract  
 LANGUAGE: English

**ABSTRACT:** The cellular fatty acid composition of 190 bacterial strains representing six genera associated with postharvest diseases of fruit and vegetables was statistically analyzed and was used as the basis of an **expert system** of identification. The **expert system** was built with

off-the shelf hardware and software, i.e., a commercially available, **database** management program and personal computer. The **database** included fatty acid profiles of *Bacillus*, *Clostridium*, *Cytophaga*, *Xanthomonas*, and the species: *Erwinia amylovora*, *E. ananas*, *E. herbicola*, *E. carotovora* and *E. carotovora* subsp. *atroseptica*, *E. chrysanthemi*, *E. rhapontici*. *Pseudomonas cepacia*, *P. gladioli*, *P. viridiflava*. A total of 78 fatty acids were detected by gas-liquid chromatography, and mean **percentages** (of the total) were **analyzed** statistically for each fatty acid and chemical class. Genera were differentiated by a class **analysis**. *Clostridium* had the highest mean **percentage** (63.90%) of saturated, straight-chain, even-carbon fatty acids (class A), significantly different from all genera except *Erwinia* (40.89%). *Cytophaga* was unique, with a high mean percentage (9.44%) of saturated, straight-chain, odd-carbon fatty acids (class B). Mean percentages for class C, saturated, straight-chain fatty acids, were significantly higher for *Erwinia* (42.11%) and *Pseudomonas* (fluorescent, 53.10%, and nonfluorescent, 35.33%) than for *Bacillus* (8.91%), *Clostridium* (16.31%), and *Cytophaga* (19.98%). In class D, hydroxysubstituted acids, mean percentages for *Bacillus* (1.06%) and *Clostridium* (2.28%) were significantly lower than for *Cytophaga* (11.00%) and the nonfluorescent pseudomonads (13.97%). In class E, saturated, branched-chain fatty acids, mean percentages for *Erwinia* and *Pseudomonas* were less than 1.5% compared to over 11% in other genera. In class F, unsaturated, branched-chain fatty acids, mean percentages for the pseudomonads were less than 0.2%, significantly lower than in any other genus. The ratio of class C to class D was useful in differentiating over 90% of the fluorescent pseudomonads ( $< 3.5$ ) from the nonfluorescent pseudomonads ( $> 3.5$ ). Of 61 fatty acids identified in *Erwinia* and *Erwinia* species, and 23 differed significantly in the pseudomonads. "Rules" based on a profile of percentage ranges for each fatty acid and each class total **differentiated** each genus and **species** in the computer **expert system**. Fatty acid data from analyzed samples were compared with profile rules by a series of "if/then"(true/false) statements. The **expert system** correctly identified all strains in the **database**, with the exception of one strain of *P. viridiflava* that also matched the profile of *P. syringae* and one strain of *E. rhapontici* that also matched the profile of *E. herbicola*. The system also calculated a covariance factor for each strain, measuring its similarity to profiles of any selected group.

#### DESCRIPTORS:

MAJOR CONCEPTS: Biochemistry and Molecular Biophysics; Foods; Information Studies; Methods and Techniques; Physiology

BIOSYSTEMATIC NAMES: Angiospermae--Angiospermae, Spermatophyta, Plantae; Cytophagaceae--Eubacteria, Bacteria; Endospore-forming Gram-Positives--Eubacteria, Bacteria; Enterobacteriaceae--Eubacteria, Bacteria; Plantae-Unspecified--Plantae; Pseudomonadaceae--Eubacteria, Bacteria

ORGANISMS: endospore-forming gram-positive rods and cocci (Endospore-forming Gram-Positives); microorganism (Microorganisms - Unspecified); plant (Plantae - Unspecified); Angiospermae (Angiospermae); *Bacillus* (Endospore-forming Gram-Positives); *Clostridium* (Endospore-forming Gram-Positives); *Cytophaga* (Cytophagaceae); *Erwinia* (Enterobacteriaceae); *Pseudomonas* (Pseudomonadaceae); *Xanthomonas* (Pseudomonadaceae)

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): angiosperms; bacteria; eubacteria; microorganisms; plants; spermatophytes; vascular plants

MISCELLANEOUS TERMS: AGRICULTURE; CHROMATOGRAPHY; SPOILAGE

#### CONCEPT CODES:

00530 General Biology-Information, Documentation, Retrieval and Computer Applications  
 10066 Biochemical Studies-Lipids  
 13504 Food Technology-Fruits, Nuts and Vegetables  
 31000 Physiology and Biochemistry of Bacteria  
 32000 Microbiological Apparatus, Methods and Media  
 39002 Food and Industrial Microbiology-Food and Beverage Spoilage and Contamination  
 10056 Biochemical Methods-Lipids  
 10504 Biophysics-General Biophysical Techniques  
 53008 Horticulture-Vegetables

, 53012 Horticulture-General; Miscellaneous and Mixed Crops

BIOSYSTEMATIC CODES:

06508 Pseudomonadaceae (1992- )  
06702 Enterobacteriaceae (1992- )  
07810 Endospore-forming Gram-Positives (1992- )  
08511 Cytophagaceae (1992- )  
25200 Angiospermae

9/5/7 (Item 7 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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07633099 BIOSIS NO.: 000092003043

**BETWEEN-READER BIAS AND VARIABILITY IN THE AGE-DETERMINATION PROCESS**

AUTHOR: KIMURA D K; LYONS J J

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JOURNAL: U S NATL MAR FISH SERV FISH BULL 89 (1). 1991. 53-60. 1991

FULL JOURNAL NAME: U S National Marine Fisheries Service Fishery Bulletin

CODEN: FSYBA

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

ABSTRACT: At the Alaska Fisheries Science Center, one in five age readings produced for routine stock assessments are re-aged independently by a second age-reader. The Center now has a large **database** of repeated age readings that covers a variety of groundfish species and years. The purpose of this paper is to point out the problems and utility of interpreting such a **database**. The main problem of interpretation is fundamental, and relates to the fact that the true age of a fish is seldom known. Nevertheless, from a pragmatic point of view, these data can still provide useful insights into the age-determination process. Data from six marine fish species are used to show the overall levels of between-reader bias, agreement, and variability that have occurred on production age readings. Other uses for these data include objectively ranking the relative difficulty in ageing **different species**, maintaining quality control, examining between-reader differences in ageing criteria, and evaluating the possible importance of between-reader bias and variability in later analysis and modeling applications. Assuming reader bias is negligible, modeling results presented here indicate that **estimated percentage** agreements are consistent with the hypothesis that age determinations are normally distributed with a constant coefficient of variation over relatively wide age ranges. This result supports use of the coefficient of variation for measuring variability in age precision studies.

DESCRIPTORS: **DATABASE** MARINE FISHERY ALASKA FISHERIES SCIENCE CENTER USA

CONCEPT CODES:

00530 General Biology-Information, Documentation, Retrieval and  
Computer Applications  
07516 Ecology; Environmental Biology-Wildlife Management-Aquatic  
24500 Gerontology  
25508 Developmental Biology-Embryology-Morphogenesis, General

BIOSYSTEMATIC CODES:

85200 Pisces-Unspecified

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA):

Animals  
Chordates  
Vertebrates  
Nonhuman Vertebrates  
Fish

9/5/8 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

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07200967 EMBASE No: 1998100957

**Spanish contribution to the creation of a European analytical data base of trans fatty acids**

CONTRIBUCION ESPANOLA A LA CREACION DE UNA BASE DE DATOS ANALITICA EUROPEA DE ACIDOS GRASOS TRANS

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Nutricion Hospitalaria ( NUTR. HOSP. ) (Spain) 1998, 13/1 (21-27)

CODEN: NUHOE ISSN: 0212-1611

DOCUMENT TYPE: Journal; Article

LANGUAGE: SPANISH SUMMARY LANGUAGE: SPANISH; ENGLISH

NUMBER OF REFERENCES: 22

Within the AAIR Program of the EU titled 'Evaluation of the Ingestion of Trans Fatty Acids' (FA) and its association with cardiovascular risk factors in European countries (TRANSFAIR), which is being carried out in 16 countries with different alimentary habits, among which is our country, we have developed the following study. Based on the information derived from the last National Nutrition and Feeding Study (ENNA-3), we have made up a list of foods which make up 95% of the total ingestion of lipids, and it also includes those which although they are not included within this percentage, may have an especially high trans isomer content as a result of their processing. The foods selected for the analysis belong to **different** food groups: cereals, milk **products**, oils and fats, meats, various, and pre-cooked foods, until making up a total of 100 foods for each country. The central analysis laboratory is that of the Department of Human Nutrition, TNO Nutrition and Food Research, Zeist (The Netherlands). In each sample, in addition to the total lipids, one determines the saturated and unsaturated fatty acids, including the cis and trans isomers. The traits FA's measured were: C14:1 T9, C16:1 T9, C18:1 T, C18:2 T, C18:3 T + C20:1 T, C20:2 T11,14, and C22:1 T13. Of the samples **analyzed**, the highest **percentages** of trans FA with respect to the total FA corresponded to the following foods: French fries, pre-cooked and frozen croquettes sliced bread, margarine, cakes, and frozen mille feuilles dough of different industrial brands. The lowest percentages of traits FA's were found in refined vegetable oils (sunflower and olive), those used for deep frying, and those discarded in catering, as well as in some commercial brands of cookies and ice creams. Pure chocolate, different brands of sweetened powdered cocoa, and ready to make chocolate, did not contain and trans FA. Financed by the Health Care Research Fund (FIS). Project 95/1964.

**DRUG DESCRIPTORS:**

milk; fatty acid; oil; fat; unsaturated fatty acid; margarine; vegetable oil

**MEDICAL DESCRIPTORS:**

\*food composition; \*lipid composition

**data base**; nutritional science; cardiovascular risk; spain; cereal; ice cream; cacao; article

CAS REGISTRY NO.: 8049-98-7 (milk); 8029-82-1 (margarine)

**SECTION HEADINGS:**

017 Public Health, Social Medical and Epidemiology

029 Clinical and Experimental Biochemistry

9/5/9 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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09029124 Genuine Article#: 358TN Number of References: 15

**Title: An expert system for new product development projects**

Author(s): Balachandra R (REPRINT)

Corporate Source: NORTHEASTERN UNIV,/BOSTON//MA/02115 (REPRINT)

Journal: INDUSTRIAL MANAGEMENT & DATA SYSTEMS, 2000, V100, N7, P317-324

ISSN: 0263-5577 Publication date: 20000000

Publisher: MCB UNIV PRESS LTD, 60/62 TOLLER LANE, BRADFORD BD8 9BY, W YORKSHIRE, ENGLAND

Language: English Document Type: ARTICLE

Geographic Location: USA

Journal Subject Category: ENGINEERING, INDUSTRIAL; COMPUTER SCIENCE,  
INTERDISCIPLINARY APPLICATIONS

Abstract: **New product** development (NPD) project studies have attempted to identify a common set of factors that will indicate whether a NPD project will succeed or fail. A recent study has shown that there is no universal set of factors; also some factors have contradictory effects on a **project's success**. A framework that classifies NPD projects into different contextual groups explains these anomalies. The grouping helps in determining the appropriate weights for the different success/failure factors. and the type of management organization and approach suitable for the project. The many subjective elements make classifying NPD projects into their appropriate contextual grouping difficult. Describes a rule-based **expert system** which classifies NPD projects into their appropriate contextual groupings, suggests the level of emphasis for different success/failure factors and the right approach for managing.

Descriptors--Author Keywords: **expert systems ; new product development ; success ; project management**

Identifiers--KeyWord Plus(R): RESEARCH-AND-DEVELOPMENT; INNOVATION; SUCCESS; INDUSTRY

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9/5/10 (Item 2 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2002 Inst for Sci Info. All rts. reserv.

08894021 Genuine Article#: 341WA Number of References: 33

Title: **The new products process: Effective knowledge capture and utilisation**

Author(s): Poolton J; Ismail HS (REPRINT) ; Shahidipour SMM

Corporate Source: UNIV LIVERPOOL, DEPT ENGN MFG ENGN & IND MANAGEMENT,  
ASHTON BLDG/LIVERPOOL L23 3GH/MERSEYSIDE/ENGLAND/ (REPRINT); UNIV  
LIVERPOOL, DEPT ENGN MFG ENGN & IND MANAGEMENT/LIVERPOOL L23  
3GH/MERSEYSIDE/ENGLAND/; UNIV WALES, SCH BUSINESS &  
MANAGEMENT/ABERYSTWYTH/DYFED/WALES/

Journal: CONCURRENT ENGINEERING-RESEARCH AND APPLICATIONS, 2000, V8, N2 (JUN), P133-143

ISSN: 1063-293X Publication date: 20000600

Publisher: TECHNOMIC PUBL CO INC, 851 NEW HOLLAND AVE, BOX 3535, LANCASTER, PA 17604

Language: English Document Type: ARTICLE

Geographic Location: ENGLAND; WALES

Subfile: CC ENGI--Current Contents, Engineering, Computing & Technology;

Journal Subject Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS;  
OPERATIONS RESEARCH & MANAGEMENT SCIENCE; ENGINEERING, MANUFACTURING

Abstract: This paper describes a method of knowledge capture and utilisation in **new product** development that can be used to improve firms existing performance. The method is intended to provide an effective bridge between expert knowledge generated internally, and the incorporation of best practice knowledge in the field. Past development projects (both successful and unsuccessful) provide the basis for

, analysis , allowing key ' ' success ' ' factors to be teased-out from the data. To supplement internally generated expertise, a large database of new product 's knowledge from the past literature is used to complement the analysis. From this data, a risk assessment framework is developed that can be used to alert managers to the dangers of overlooking key activities and processes, and their likely effects on the new products process as a whole.

Descriptors--Author Keywords: new product development ; knowledge management ; risk assessment ; repertory grid ; cluster analysis

Identifiers--Keyword Plus(R): SUCCESS FACTORS; INNOVATION; FIRMS

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9/5/11 (Item 3 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2002 Inst for Sci Info. All rts. reserv.

07406734 Genuine Article#: 162AF Number of References: 0

Title: What has influenced computing innovation?

Author(s): Hughes TP (REPRINT) ; Sheehan JR

Corporate Source: UNIV PENN,/PHILADELPHIA//PA/19104 (REPRINT); NATL RES  
COUNCIL,COMP SCI & TELECOMMUN BOARD, COMM INNOVAT COMP & COMMUN LESSONS  
HIST/WASHINGTON//DC/20418

Journal: COMPUTER, 1999, V32, N2 (FEB), P33-&

ISSN: 0018-9162 Publication date: 19990200

Publisher: IEEE COMPUTER SOC, 10662 LOS VAQUEROS CIRCLE, PO BOX 3014, LOS  
ALAMITOS, CA 90720-1314

Language: English Document Type: ARTICLE

Geographic Location: USA

Subfile: CC ENGI--Current Contents, Engineering, Computing & Technology

Journal Subject Category: COMPUTER SCIENCE, HARDWARE & ARCHITECTURE;

COMPUTER SCIENCE, SOFTWARE, GRAPHICS, PROGRAMMING

Abstract: Computing technology is nothing if not fast moving. Generations  
of products and their underlying electronics are introduced every 18 to  
24 months. These developments are driven largely by competition and



commercial reward, but many have their roots firmly in research funded by both the government and private sector.

**New products**, processes, and services typically stem from the complex interaction of government, industry, and academia. But are there specific patterns in past successes?

Over the years, a particular blend of government, industry, and academia has been the foundation of computing innovation. If the US is to sustain its past growth in computing, researchers, business leaders, and policy makers need to understand the elements of this synergy. One way to gain insight is to **analyze** past **successes** in significant areas

The Computer Science and Telecommunications Board (CSTB) produced a report that overviews the innovations since World War II in five critical areas of computing technology: relational **databases**, the Internet, theoretical computer science, artificial intelligence, and virtual reality. The studies demonstrate significant interaction among industry, universities, and government in developing and commercializing computing technology.

9/5/12 (Item 4 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
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04781752 Genuine Article#: UG777 Number of References: 7

**Title: R-AND-D IN BRAZILIAN INDUSTRY - RECENT INDICATORS**

Author(s): SBRAGIA R; KRUGLIANSKAS I

Corporate Source: UNIV SAO PAULO,FAC ECON BUSINESS ADMIN &

ACCOUNTANCY/BR-05508 SAO PAULO//BRAZIL/; UNIV SAO PAULO,CTR STUDIES

POLICY & MANAGEMENT TECHNOL INNOVAT/BR-05508 SAO PAULO//BRAZIL/

Journal: RESEARCH-TECHNOLOGY MANAGEMENT, 1996, V39, N3 (MAY-JUN), P30-35

ISSN: 0895-6308

Language: ENGLISH Document Type: ARTICLE

Geographic Location: BRAZIL

Subfile: SocSearch; SciSearch; CC ENGI--Current Contents, Engineering,  
Technology & Applied Sciences; CC SOCS--Current Contents, Social &  
Behavioral Sciences

Journal Subject Category: BUSINESS; MANAGEMENT; ENGINEERING, INDUSTRIAL

Abstract: OVERVIEW: On the assumption that the intensity with which firms engage in building technological capability is a key to entrepreneurial success, Brazil is implementing a Technology Indicators **Database** of industrial companies. Longitudinal analysis and comparisons among business from different sectors, size and origin of capital are the focus of this project, which is being undertaken by the National Association for R&D of Industrial Firms (ANPEI). Data already stored in the base, with reference to 1994, involving 500 companies that account for almost 41 percent of Brazil's industrial GNP, indicate that these firms spent, on average, US\$2.8 million in R&D&E operating expenses and reported US\$1.5 million in direct or indirect cost reduction from these activities. Information in the **database** allows companies to compare themselves on R&D spending, personnel, patents, **project** completions, **revenues** from **new products**, and cost savings.

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9/5/13 (Item 5 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2002 Inst for Sci Info. All rts. reserv.

03514833 Genuine Article#: NF359 Number of References: 50

Title: MAJOR ISSUES ON PSEE - PROCESS SOFTWARE ENGINEERING ENVIRONMENTS

Author(s): BELKHATIR N; AHMEDNACER M

Corporate Source: IMAG LAB GRENOBLE, LGI/F-38041 GRENOBLE//FRANCE/

Journal: COMPUTERS AND ARTIFICIAL INTELLIGENCE, 1993, V12, N3, P279-298

ISSN: 0232-0274

Language: ENGLISH Document Type: ARTICLE

Geographic Location: FRANCE

Subfile: SciSearch

Journal Subject Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Abstract: This paper discusses the evolution of 'development in the large' environments and presents major innovations in software product structuring, configuration management and software process integration. The main evolutions are highlighted showing the efforts towards integration, generalization and modelisation in order to achieve a formal description of the software process. We analyse current tendencies from the point of view of both support for resource management and software process.

Focussing on the product we illustrate, using examples, the main efforts required to manage the resources involved in a software process. We show the earliest efforts to produce formal representations, applying data modeling concepts to integrate version and configuration management systems using software engineering **databases**. Turning to the process side of the question we highlight recent work developing formal methods to describe the process model. We conclude by presenting the ADELE **project** and its **successor** NOMADE, a Process Software Engineering Environment (PSEE) which achieves a combination of resource management (description of resources and product to be consumed and produced by the execution of activities and software process). ADELE and NOMADE lead to **different** version **products** termed ADELE1, ADELE2, ADELE3 and more recently TEMPO.

Descriptors--Author Keywords: COMPUTER-AIDED ENGINEERING ; **DATABASES** ; SOFTWARE CONFIGURATION ; SOFTWARE ENGINEERING ; SOFTWARE PROCESS ; OBJECT-ORIENTED

Identifiers--KeyWords Plus: OBJECT

Research Fronts: 92-0070 002 (OBJECT-ORIENTED **DATABASE** MODEL; SOFTWARE MAINTENANCE PRODUCTIVITY; SEMANTIC VIEW)

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9/5/14 (Item 6 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
 (c) 2002 Inst for Sci Info. All rts. reserv.

03368364 Genuine Article#: NZ351 Number of References: 18

Title: **SAMPLE SIZES FOR USABILITY STUDIES - ADDITIONAL CONSIDERATIONS**

Author(s): LEWIS JR

Corporate Source: IBM CORP,POB 1328/BOCA RATON//FL/33429

Journal: HUMAN FACTORS, 1994, V36, N2 (JUN), P368-378

ISSN: 0018-7208

Language: ENGLISH Document Type: ARTICLE

Geographic Location: USA

Subfile: SocSearch; SciSearch; CC ENGI--Current Contents, Engineering,  
 Technology & Applied Sciences; CC SOCS--Current Contents, Social &  
 Behavioral Sciences

Journal Subject Category: PSYCHOLOGY, APPLIED; ERGONOMICS; PSYCHOLOGY;  
 BEHAVIORAL SCIENCES

Abstract: Recently, Virzi (1992) presented data that support three claims regarding sample sizes for usability studies: (1) observing four or five participants will allow a usability practitioner to discover 80% of a **product** 's usability problems, (2) observing **additional** participants will reveal fewer and fewer new usability problems, and (3) more severe usability problems are easier to detect with the first few participants. Results from an independent usability study clearly support the second claim, partially support the first, but fail to support the third. Problem discovery shows diminishing returns as a function of sample size. Observing four to five participants will uncover about 80% of a product's usability problems as long as the average likelihood of problem detection ranges between 0.32 and 0.42, as in Virzi. If the average likelihood of problem detection is lower, then a practitioner will need to observe more than five participants to discover 80% of the problems. Using behavioral categories for problem severity (or impact), these data showed no correlation between problem severity (impact) and rate of discovery. The data provided evidence that the binomial probability formula may provide a good model for predicting problem discovery curves, given an estimate of the average likelihood of problem detection. Finally, data from economic simulations that **estimated return** on investment (ROI) under a variety of settings showed that only the average likelihood of problem detection strongly influenced the range of sample sizes for maximum ROI.

Research Fronts: 92-0070 001 (OBJECT-ORIENTED **DATABASE** MODEL; SOFTWARE MAINTENANCE PRODUCTIVITY; SEMANTIC VIEW)

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9/5/15 (Item 7 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
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02885530 Genuine Article#: MM098 Number of References: 3

**Title: PATCH CHEMICAL TREATMENT OF TIO2 - PROCESS DESIGN AND CONTROL**

Author(s): CERNETIC J; SUBELJ M; SELICPODGORSEK N

Corporate Source: J STEFAN INST, POB 100/LJUBLJANA 61111//SLOVENIA//; CHEM  
 WORKERS CINKARNA/CELJE 63000//SLOVENIA/

Journal: COMPUTERS & CHEMICAL ENGINEERING, 1994, V18, S, PS195-S199

ISSN: 0098-1354

Language: ENGLISH Document Type: ARTICLE

Geographic Location: SLOVENIA

Subfile: SciSearch; CC ENGI--Current Contents, Engineering, Technology &  
 Applied Sciences

Journal Subject Category: ENGINEERING, CHEMICAL; COMPUTER SCIENCE,  
 INTERDISCIPLINARY APPLICATIONS

Abstract: An interdisciplinary development project is presented in which a  
**new** computer-controlled **plant** was built for batch chemical treatment  
 of TiO2-based pigment. As the details of process operation and control  
 were not known until the start up, the **success** of the **project**  
 depended much on efficient cooperation between process design and  
 control engineers. In the paper the main process design and control  
 design problems which had to be solved are described. Shown are also  
 some interesting solutions and the particular art of managing this  
 innovative project.

Descriptors--Author Keywords: BATCH PROCESSING ; PROCESS DESIGN ; PROCESS  
 CONTROL

Research Fronts: 92-0070 001 (OBJECT-ORIENTED **DATABASE** MODEL; SOFTWARE  
 MAINTENANCE PRODUCTIVITY; SEMANTIC VIEW)

Cited References:

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9/5/16 (Item 8 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
 (c) 2002 Inst for Sci Info. All rts. reserv.

02711169 Genuine Article#: LX482 Number of References: 26

**Title: ANALYTICAL METHODS TO DIFFERENTIATE SIMILAR ELECTROENCEPHALOGRAPHIC  
 SPECTRA - NEURAL-NETWORK AND DISCRIMINANT-ANALYSIS**

Author(s): VESELIS RA; REINSEL R; WRONSKI M

Corporate Source: MEM SLOAN KETTERING CANC CTR, DEPT ANESTHESIOLOGY, 1275 YORK  
 AVE, ROOM M-201/NEW YORK/NY/10021; CORNELL UNIV, MED CTR, COLL MED, DEPT  
 ANESTHESIOLOGY/NEW YORK/NY/10021

Journal: JOURNAL OF CLINICAL MONITORING, 1993, V9, N4 (SEP), P257-267

ISSN: 0748-1977

Language: ENGLISH Document Type: ARTICLE

Geographic Location: USA

Subfile: SciSearch; CC CLIN--Current Contents, Clinical Medicine

Journal Subject Category: MEDICAL LABORATORY TECHNOLOGY

**Abstract:** Differences in electroencephalographic (EEG) power spectra obtained under similar, but not identical, conditions may be difficult to discern using standard techniques. Statistical analysis may not be useful because of the large number of comparisons necessary. Visual recognition of differences also may be difficult. A new technique, neural network **analysis**, has been used **successfully** in other problems of pattern recognition and classification. We examined a number of methods of classifying similar EEG data: standard statistical analysis (analysis of variance), visual recognition, discriminant analysis, and neural network analysis. Twenty-nine volunteers received either thiopental (n = 9), midazolam (n = 10), or propofol (n = 10) in sedative doses in 3 different studies. These drugs produced very similar changes in the EEG power spectra. Except for beta2 power during thiopental infusion, differences between drugs could not be detected using analysis of variance. Visual categorization was correct in 72% of the baseline EEGs, 70% of thiopental EEGs, 27% of propofol EEGs, and 46% of midazolam EEGs. A classification neural network (Learning Vector Quantization network) containing a Kohonen hidden layer was able to successfully classify 57 of 58 EEG samples (of 4 minutes' duration). Discriminant **analysis** had a similar rate of **success**. This level of performance was achieved by dividing the EEG power spectrum from 1 to 30 Hz into 15 2-Hz bandwidths. When the EEG power spectrum was divided into the 'classical' frequency bandwidths (alpha, beta1, beta2, theta, delta), both neural network and discriminant analysis performance deteriorated. By training the network using only certain inputs we were able to identify drug-specific bandwidths that seemed to be important in correct classification. We conclude that propofol, thiopental, and midazolam **produce different** effects on the EEG and that both neural network and discriminant analysis are useful in identifying these differences. We also conclude that EEG spectra should be analyzed without using classical EEG bands (alpha, beta, etc.). Additionally, neural networks can be used to identify frequency bands that are 'important' in specific drug effects on the EEG. Once a classification algorithm is obtained using either a neural network or discriminant analysis, it could be used as an on-line monitor to recognize drug-specific EEG patterns.

**Descriptors--Author Keywords:** MONITORING-ELECTROENCEPHALOGRAPHY ;

ANESTHETICS, INTRAVENOUS-MIDAZOLAM, THIOPIENTAL, PROPOFOL

**Identifiers--KeyWords Plus:** EEG; MIDAZOLAM; RECOGNITION; PARAMETERS; POWER; STATE

**Research Fronts:** 91-4562 003 (ARTIFICIAL NEURAL NETWORKS; FEEDFORWARD NETS FOR APPROXIMATING FUNCTIONS; HIDDEN NEURONS IN MULTILAYER PERCEPTRONS)

91-5766 001 (TOPOGRAPHIC QUANTITATIVE EEG AMPLITUDE; BRAIN ABNORMALITIES; ABSOLUTE POWER VALUES)

91-6492 001 (ARTIFICIAL NEURAL NETWORK; MODELING RED PINE TREE SURVIVAL; MACRO-CONNECTIONIST **EXPERT SYSTEMS** GENERATOR)

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9/5/17 (Item 9 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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02142076 Genuine Article#: KE002 Number of References: 17

**Title: DETERMINING OF THE DIAGNOSTIC NORMS FOR CORN ON THE CALCAREOUS SOILS OF IRAN**

Author(s): MALAKOUTI MJ

Corporate Source: TARBIAT MODARRES UNIV,DEPT SOIL SCI,POB

14155-4838/TEHRAN//IRAN/

Journal: COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, 1992, V23,  
 N17-2, P2687-2695

ISSN: 0010-3624

Language: ENGLISH Document Type: ARTICLE

Geographic Location: IRAN

Subfile: SciSearch; CC AGRI--Current Contents, Agriculture, Biology &  
 Environmental Sciences

Journal Subject Category: AGRICULTURE, SOIL SCIENCE; PLANT SCIENCES;  
 CHEMISTRY, ANALYTICAL

**Abstract:** The Diagnosis and **Recommendation** Integrated System (DRIS) has been **successfully** applied to many **different** annual and perennial **crops** . This system represents an approach to the nutrient contents of crops and is in fact an integrated set of norms. The successful applicability of DRIS to crops as a foliar diagnostic tool has demonstrated a need for the development of DRIS norm for corn in calcareous soils of Iran. Preliminary DRIS norm for com (Zea mays L.) was developed from more than 50 sets of data on both plant and soil composition of high-yielding population farms for the years of 1988 and 1989. Soil and leaf samples of com plants were taken at the silking stage. Soil and plant samples were analyzed by conventional methods. Letzch and Sumner's (1983) norms was taken as independent indices for DRIS **data** . **Based** on the almost average amount of nutrients in the leaf samples of high-yielding populations, preliminary DRIS norms have been suggested as follows: N = 2.50; P = 0.25; K = 2.20; Ca = 0.50, and Mg = 0.25 percent, and Fe = 300; Mn = 80; Zn = 20; Cu = 8; and B = 20 ppm. Indices from suggested norms as well as Letzsch and Sumner's norms showed that in spite of similarity among diagnosis and order of nutrient requirement, there was no significant differences between these norms except for nitrogen and zinc. Correlation coefficients between soil and plant analysis data were negligible. Due to die lower amount of organic matter and water shortage, it is difficult to increase the percentage of nitrogen in the leaf samples to above 3.00 percent. With the high P- and zero -Zn application (higher P/Zn) which is a common practice in calcareous soils, zinc deficiency symptoms will be observed and yield will he decreased accordingly.

Research Fronts: 91-2112 001 (RECOMMENDATION INTEGRATED SYSTEM (DRIS)  
 NUTRIENT NORMS FOR FRASER FIR CHRISTMAS TREES; DRIS DIAGNOSIS)

91-3203 001 (TOTAL NITROGEN IN SOILS; PHOSPHORUS SORPTION; PULSED  
 AMPEROMETRIC DETECTION; ORGANIC MANURE; AQUIFER SEDIMENTS; ELEMENTAL  
 COMPOSITION)

91-6890 001 (CALCAREOUS SOIL; PHOSPHORUS DEPLETION ZONE; PH DECREASE)

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9/5/18 (Item 10 from file: 34)  
 DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
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01845690 Genuine Article#: JF555 Number of References: 0  
 (NO REFS KEYED)

**Title: ANALYSIS OF FUTURE-DEVELOPMENT OPPORTUNITIES FOR OIS METHODS AND TOOLS**

Author(s): HAWGOOD J; KIEBACK A; PULST E; NIEMEIER J  
 Corporate Source: FRAUNHOFER INST ARBEITSWIRTSCHAFT & ORG, POSTFACH  
 800469/W-7000 STUTTGART 80//GERMANY/; FRAUNHOFER INST ARBEITSWIRTSCHAFT  
 & ORG, POSTFACH 800469/W-7000 STUTTGART 80//GERMANY/  
 Journal: DECISION SUPPORT SYSTEMS, 1992, V8, N3 (JUN), P197-209  
 Language: ENGLISH Document Type: ARTICLE  
 Geographic Location: GERMANY  
 Subfile: SciSearch; CC ENGI--Current Contents, Engineering, Technology &  
 Applied Sciences  
 Journal Subject Category: COMPUTER APPLICATIONS & CYBERNETICS; OPERATIONS  
 RESEARCH & MANAGEMENT SCIENCE

**Abstract:** Over the last two decades, formal methods and tools have been introduced into the process of planning, developing, implementing, and managing applications of information technology (IT). For the practical usage existing methods and tools often are seen as incomplete, poorly integrated, often ineffective, and typically insensitive to the application environment. How to make the most of what is available today? Methods and tools to support the newer and more integrated forms of IT applications are still at an early stage of development and are not in common use. A guidance on the selection of methods and tools is needed which shows both what can be achieved now and where developments will come in the future. To a considerable extent the solution of behavioural and organizational design problems are seen as critical. But are methods and tools available for this objective? How to bring together approaches which have so far been pursued along separate paths? What is the most suitable **product** supporting **different** environments? The selection and evaluation of appropriate methods and tools for a specific project in a company requires a considerable effort and is itself a difficult and complex task. Method and tool vendors are confused about the development priorities. More and more they raise questions about market potentials and the pay back period for their investments. The purposes of HECTOR project (Harmonized European Concepts and Tools for Organizational Information Systems, ESPRIT project no. 2082) have been to determine what is needed in the marketplace, where opportunities lie to better meet these needs, and to present a framework within which these issues could be studied. The term Organizational Information System (OIS) is used to describe any socio-technical system which supports the work of an organization by facilitating the collection, flow, and analysis of information within or between organizations. The HECTOR market analysis has shown that a good initial choice of methods and tools is very important presupposed for the **success** of a **project**. A wrong initial choice often leads to the failure of a project or at least to higher costs. A decision support tool, supported by a comprehensive **database** of methods and tools would improve the process of selection

and evaluation in organizations acquiring these products.

9/5/19 (Item 11 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
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01784152 Genuine Article#: JA733 Number of References: 23

Title: **THE STRATEGIC USE OF EXPERT SYSTEMS FOR RISK MANAGEMENT IN THE INSURANCE INDUSTRY**

Author(s): MEYER MH; DETORE A; SIEGEL SF; CURLEY KF

Corporate Source: NORTHEASTERN UNIV, 213D HAYDEN HALL/BOSTON//MA/02115;  
LINCOLN NATL RISK MANAGEMENT INC/FT WAYNE//IN/00000; FUS SYST GRP  
LTD/NEW YORK//NY/00000

Journal: EXPERT SYSTEMS WITH APPLICATIONS, 1992, V5, N1-2, P15-24

Language: ENGLISH Document Type: ARTICLE

Geographic Location: USA

Subfile: SciSearch; CC ENGI--Current Contents, Engineering, Technology &  
Applied Sciences

Journal Subject Category: ENGINEERING, ELECTRICAL & ELECTRONIC; COMPUTER  
APPLICATIONS & CYBERNETICS

Abstract: The applications focus and development history of two large  
**expert systems** for underwriting life insurance cases are used to  
consider the linkage between business strategy and project focus for  
major information systems development. It is shown that the project  
selection and evolution processes of these two companies have resulted  
in two distinctly **different expert system** applications, the  
**product** of their respective business positioning. The article also  
presents a detailed description of how **expert systems** can be used  
to enhance the productivity and effectiveness of risk management in the  
life insurance business.

Identifiers--KeyWords Plus: INFORMATION TECHNOLOGY; WORK

Research Fronts: 90-3139 001 (KEY ISSUES IN INFORMATION-SYSTEMS  
MANAGEMENT; **PROJECT SUCCESS** ; STRATEGIC TELECOMMUNICATIONS **PLANNING**  
)

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9/5/20 (Item 1 from file: 10)

DIALOG(R)File 10:AGRICOLA

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1633660 79485263 Holding Library: FNI

**A conceptual framework for making sound marketing decisions**  
Blair, John R.



New York, , Harcourt Brace Jovanovich Publications  
Snack food v. 67 (12) , Dec 1978. p. 36-38.  
ISSN: 0037-7406  
Language: ENGLISH  
Subfile: OTHER US (NOT EXP STN, EXT, USDA; SINCE 12/76); FNC (FOOD AND NUTRITION); ;

Document Type: ARTICLE

Abstract: The marketing director for The Quaker Oats Company emphasizes the importance of making **data - based** marketing decisions instead of relying on intuition, folklore or pressure. He shows how this can be done systematically by analyzing external data such as factory shipment data, industrial sales and the retail movement of brands. Internal data analysis also is essential for such factors as advertising, merchandising and price (the last being the most important). Additional factors in marketing are **analysis** of geographic areas and brand **successes** , packaging sizes and product reformulation. A sample step-by-step case analysis for a **new product** is outlined.

DESCRIPTORS:; Marketing; Distribution (Economics); Market research; Merchandise information; Sales volume; Food prices;

Section Headings: 1020 AGRICULTURAL PRODUCTION DISTRIBUTION (FARM PRODUCTS) / AGRICULTURAL POLICIES AND PROGRAMS

9/5/21 (Item 1 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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05618035 E.I. No: EIP00085269372

Title: **Effects of inter-layer handover on the reverse link performance in CDMA overlaying systems**

Author: Yang, X.; Niri, S. Ghaheri; Tafazolli, R.

Corporate Source: Univ of Surrey, UK

Conference Title: 1st International Conference on '3G Mobile Communication Technologies'

Conference Location: London, UK Conference Date: 19000327-19000329

E.I. Conference No.: 57135

Source: IEE Conference Publication n 471 2000. IEE, Stevenage, Engl. p 245-250

Publication Year: 2000

CODEN: IECPB4 ISSN: 0537-9989

Language: English

Document Type: CA; (Conference Article) Treatment: T; (Theoretical)

Journal Announcement: 0009W2

Abstract: In this paper, the effect of inter-layer handovers on the reverse link performance in terms of signal to interference ratio (SIR) in an overlaying coverage is investigated. A method has been proposed to estimate the additional interference introduced by inter-layer handover. The **numerical** results **show** that **the** inter-layer handover **in** both directions (i.e. macro-to-micro layer and micro-to-macro layer) could cause SIR deterioration on the reverse link. The use of soft handover for intra-layer could compensate the deterioration to certain extent. The results also show that the SIR deterioration heavily depends on both the user's location and the propagation environments (path-loss and shadowing). Additionally, it is shown that the imperfect power control could cause even more deterioration on the reverse link. (Author abstract) 2 Refs.

Descriptors: Mobile radio systems; Radio links; Code division multiple access; **Radio interference** ; Electromagnetic wave propagation

Identifiers: Inter-layer handover; Reverse link performance; Overlaying systems; Signal to interference ratio

Classification Codes:

716.3 (Radio Systems & Equipment)

716 (Radar, Radio & TV Electronic Equipment); 711 (Electromagnetic Waves)

71 (ELECTRONICS & COMMUNICATIONS)

9/5/22 (Item 2 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)

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05331626 E.I. No: EIP99084748437

**Title: Intelligent plant wide steel scheduling and monitoring**

Author: Anon

Source: Steel Times International v 23 n 2 1999. p 2

Publication Year: 1999

CODEN: STTIDD ISSN: 0143-7798

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: 9909W4

Abstract: At Saldanha Steel's **new greenfield steel plant** being commissioned in South Africa, a totally integrated information system has been implemented. This uses SAP/R3 as the enterprise resource planning (ERP) system on the business management system (BMS) level, an Oracle **database** as the main data-warehousing on the management execution system (MES) level, and Gensym's G2 **expert system** for scheduling, monitoring and facilitating communication between the BMS, MES and the production floor. The system is used to perform long term scheduling, short term scheduling, and real time reactive scheduling and monitoring. It also plays a role in facilitating communication between the production floor and BMS.

Descriptors: Computer integrated manufacturing; SCADA systems; Just in time production; Scheduling; Strategic **planning** ; Process control; Resource **allocation** ; Electronic data interchange; **Database** systems; **Expert systems**

Identifiers: Enterprise resource planning (ERP) systems; Business management systems (BMS); Management execution systems (MES)

Classification Codes:

913.4.2 (Computer Aided Manufacturing)

723.5 (Computer Applications); 913.4 (Manufacturing); 731.1 (Control Systems); 913.2 (Production Control); 912.2 (Management); 723.2 (Data Processing)

723 (Computer Software); 913 (Production Planning & Control); 731 (Automatic Control Principles); 912 (Industrial Engineering & Management)

72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT); 73 (CONTROL ENGINEERING)

9/5/23 (Item 3 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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05163145 E.I. No: EIP98114472154

**Title: Implementing a yield management program to improve die yield**

Author: Ron, Avraham I.

Corporate Source: Tower Semiconductor, Migdal Haemek, Isr

Source: MICRO v 16 n 9 Oct 1998. 6pp

Publication Year: 1998

CODEN: MICRFI ISSN: 1081-0595

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review); M; (Management Aspects)

Journal Announcement: 9901W3

Abstract: Tower Semiconductor, a foundry in Migdal Haemek, Israel, that produces several dozen **different products** has undertaken a significant yield improvement project. This ambitious project included not only decreasing the defect densities of existing technologies within 6 months and bringing the foundry's due yield to a worldwide level based on an entitlement **database** , but also setting a yield improvement infrastructure in place for all future technologies. Tower successfully met these goals by implementing a systematic approach. Under this **project** , a yield management methodology was **successfully** modified to fit the fab's needs.

Descriptors: \*Microelectronic processing; Industrial management; Dies; Productivity; Defects; Product development; Semiconductor device manufacture; Sputtering; Graph theory

Identifiers: Yield management; Die yield; Defect density

Classification Codes:

714.2 (Semiconductor Devices & Integrated Circuits); 912.2 (Management)

; 534.1 (Foundries); 913.1 (Production Engineering); 813.1 (Coating Techniques); 921.4 (Combinatorial Mathematics, Includes Graph Theory, Set Theory)

714 (Electronic Components); 912 (Industrial Engineering & Management); 534 (Foundry Practice); 913 (Production Planning & Control); 813 (Coatings & Finishes); 921 (Applied Mathematics)

71 (ELECTRONICS & COMMUNICATIONS); 91 (ENGINEERING MANAGEMENT); 53 (METALLURGICAL ENGINEERING); 81 (CHEMICAL PROCESS INDUSTRIES); 92 (ENGINEERING MATHEMATICS)

9/5/24 (Item 4 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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05086053 E.I. No: EIP98084331601

**Title: Comparative analysis of two artificial neural networks using pavement performance prediction**

Author: Roberts, Craig A.; Attoh-Okine, Nii O.

Corporate Source: Georgia Inst of Technology, Atlanta, GA, USA

Source: Computer-Aided Civil and Infrastructure Engineering v 13 n 5 Sep 1998. p 339-348

Publication Year: 1998

CODEN: CCIEFR ISSN: 1093-9687

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); T; (Theoretical)

Journal Announcement: 9810W1

Abstract: The management of pavements requires the ongoing allocation of substantial manpower and capital resources by the responsible agencies. These agencies ultimately report to the executive and legislative branches of government, which require justification and proof of the efficacy of these expenditures. This and the need for improved engineering technical feedback have encouraged the development of pavement management systems (PMS). One goal of a PMS is to provide decision makers at all levels with optimal resource- **allocation** strategies. This requires **evaluation** of alternatives over an analysis period based on predicted values of pavement performance. This necessitates more reliable pavement performance prediction models. Traditional modeling uses multiple regression techniques to predict pavement performance from traffic, time, and pavement distress or various combinations of these factors. Within the last 10 years, new modeling techniques, including artificial neural networks (ANNs), have been applied to transportation problems. The ANNs examined usually have been of a single type called a dot **product** ANN. This paper examines a **different** type called the quadratic function ANN and compares the results to the dot product ANN. The quadratic function ANN is a generalized adaptive, feedforward neural network that combines supervised and self-organizing learning. Models were developed to predict roughness using both types of ANN on the same data samples and the results compared. The data samples were drawn from the Kansas Department of Transportation's PMS **database**. The results indicate a significant improvement in the use of the self-organizing quadratic function ANNs and lead to recommendations for specific areas of additional research. (Author abstract) 16 Refs.

Descriptors: Neural networks; Pavements; Feedforward neural networks; Forecasting; Performance; Computer aided engineering; Learning systems; Computer simulation; Surface roughness; **Database** systems

Identifiers: Pavement management systems; Quadratic function artificial neural network; Dot product artificial neural network

Classification Codes:

723.4 (Artificial Intelligence); 723.5 (Computer Applications); 723.3 (Database Systems)

723 (Computer Software); 406 (Highway Engineering)

72 (COMPUTERS & DATA PROCESSING)

9/5/25 (Item 5 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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04499276 E.I. No: EIP96093335054

**Title: Self-sustainable reclamation: shrub and tree establishment on saline mine wastes**

Author: Osborne, J.M.

Corporate Source: Curtin Univ of Technology, Perth, Aust

Source: International Journal of Surface Mining, Reclamation and Environment v 10 n 2 1996. p 91-95

Publication Year: 1996

CODEN: IJREEG ISSN: 0920-8119

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); G; (General Review)

Journal Announcement: 9611W2

Abstract: Mining ceased in 1991 at the Westonia open-cut goldmine, 320 km east of Perth, Western Australia. The early May 1990 seeding of 40 ha of dump surfaces used a suite of **species** local to the area, and **additional** selected salt tolerant varieties. No fertiliser was applied. Subsequently stratified random sampling assessed the revegetation at twice yearly intervals. In 1995 two different sampling strategies were required. The chosen samplings were repeatable and accurate, and cost, labour and time effective. Seeding **success** was **evaluated**. Eucalyptus and tall shrubs were prevalent and chenopods provided ground cover. Densities of eucalypts approximated 625 per hectare, with individuals to 4 m not uncommon. Acacias (wattles) and other woody perennial shrubs and trees were present. Saltbushes were prevalent. An extensive chenopod ground cover included Atriplex semibaccata, Enchylaena tomentosa and Maireana brevifolia. With this appropriate **data base** prediction of longer term ecosystem development can be made. (Author abstract) 27 Refs.

Descriptors: Revegetation; Abandoned mines; Gold mines; Plants (botany); Ecosystems; Industrial wastes; Sampling; **Database** systems

Identifiers: Self sustainable reclamation; Saline mine wastes; Seeding; Ground cover; Eucalypts; Acacias; Chenopods

Classification Codes:

442.2 (Land Reclamation); 502.1 (Mine & Quarry Operations); 504.3 (Heavy Metal Mines); 547.1 (Precious Metals); 461.9 (Biology); 454.3 (Ecology & Ecosystems)

442 (Flood Control & Land Reclamation); 502 (Mine & Quarry Equipment & Operations); 504 (Mines & Mining, Metal); 547 (Precious & Rare Earth Metals & Alloys); 461 (Biotechnology); 454 (Environmental Engineering)

44 (WATER & WATERWORKS ENGINEERING); 50 (MINING ENGINEERING); 54 (METAL GROUPS); 46 (BIOENGINEERING); 45 (POLLUTION & SANITARY ENGINEERING)

9/5/26 (Item 6 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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04405549 E.I. No: EIP96053191899

**Title: R&D in Brazilian industry: recent indicators**

Author: Sbragia, Roberto; Kruglianskas, Isak

Corporate Source: Univ of Sao Paulo, Braz

Source: Research Technology Management v 39 n 3 May-Jun 1996. p 30-35

Publication Year: 1996

CODEN: RTMAEC ISSN: 0895-6308

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: 9607W2

Abstract: On the assumption that the intensity with which firms engage in building technological capability is a key to entrepreneurial success. Brazil is implementing a Technology Indicators **Database** of industrial companies. Longitudinal analysis and comparisons among businesses from different sectors, size and origin of capital are the focus of this project, which is being undertaken by the National Association for R&D of Industrial Firms (ANPEI). Data already stored in the base, with reference to 1994, involving 500 companies that account for almost 41 percent of Brazil's industrial GNP, indicate that these firms spent, on average, US

. dollar 2.8 million in R&D&E operating expenses and reported US dollar 1.5 million in direct or indirect cost reduction from these activities. Information in the **database** allows companies to compare themselves on R&D spending, personnel, patents, **project** completions, **revenues** from **new products**, and cost savings. (Author abstract) 7 Refs.

Descriptors: Technology; Research and development management; **Database** systems; Cost effectiveness; Personnel; Patents and inventions; Economics; Resource allocation; Societies and institutions

Identifiers: Technology indicators **database**; Brazilian industry

Classification Codes:

901.4 (Impact of Technology on Society); 901.3 (Engineering Research); 723.3 (Database Systems); 911.1 (Cost Accounting); 912.4 (Personnel); 911.2 (Industrial Economics)

901 (Engineering Profession); 723 (Computer Software); 911 (Industrial Economics); 912 (Industrial Engineering & Management)

90 (GENERAL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT)

9/5/27 (Item 7 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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03539249 E.I. Monthly No: EI9301005246

**Title: Batch to oxide percentage and oxide percentage to batch calculations for glass processing.**

Author: Oksoy, D.; Pye, L. D.

Corporate Source: Alfred Univ, Alfred, NY, USA

Source: Glass Technology v 33 n 4 Aug 1992 p 141-148

Publication Year: 1992

CODEN: GLSTAK ISSN: 0017-1050

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical); X; (Experimental)

Journal Announcement: 9301

Abstract: The glass industry is a major user of various raw materials in the manufacture of their **products** and for every **different product**, a recipe is prepared from the different raw materials available. A procedure has been developed for the preparation of these recipes and we also discuss the reverse procedure of obtaining the raw material weights from the final glass. (Author abstract) 3 Refs.

Descriptors: GLASS MANUFACTURE; COMPOSITION EFFECTS; RAW MATERIALS; QUARTZ APPLICATIONS; OXIDE MINERALS; MODIFICATION; **DATABASE** SYSTEMS

Identifiers: BATCH RECIPES; MODIFIERS; FLUXING AGENTS; OXIDE CALCULATIONS

Classification Codes:

812 (Ceramics & Refractories); 723 (Computer Software); 482 (Mineralogy & Petrology)

81 (CHEMICAL PROCESS INDUSTRIES); 72 (COMPUTERS & DATA PROCESSING); 48 (ENGINEERING GEOLOGY)

9/5/28 (Item 8 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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03479473 E.I. Monthly No: EI9209115149

**Title: People-oriented R&D trends: is your R&D investment paying off?.**

Author: Moses, Franklin, L.; Laveson, Jack, I.

Source: International Journal of Continuing Engineering Education v 2 n 1 1992 p 38-44

Publication Year: 1992

CODEN: ICEEE4 ISSN: 0957-4344

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review); M; (Management Aspects)

Journal Announcement: 9209

Abstract: Research and development (R&D) in human factors, training, and personnel systems technology shows a small yet steady growth in industry's

independent research and development (IR&D) projects, but none in defence. This finding is based on an analysis of defence and industry trends from (fiscal years) 1981-88. Trends were determined from the training and personnel systems technology (TPST) portion of defence R&D and from the professional staff years (PSY) of IR&D spent in the same areas. The amount of people-related (that is, TPST-type) IR&D in industry increased both as a percentage of all IR&D and in the level of effort during the **analysis** period. The **percentage** of IR&D increased in human factors, but decreased in simulation & training devices. Two other categories - education & training, and manpower & personnel - were relatively constant. Within human factors, four topics accounted for the increases: advanced (computer) controls and displays; speech (voice) recognition & synthesis; AI, **expert systems** & robotics; and computer-based maintenance & troubleshooting aids. No similar trends are evident in defence R&D. In terms of types of TPST R&D, defence and industry have about the same proportion of effort in development (i.e., application to a potential **new product** or service). Industry's basic research accounted for only about 2% of effort, while the defence portion of such research (Budget Category 6.1) was about 7%.

(Author abstract) 6 Refs.

Descriptors: \*MANAGEMENT--\*Research and Development Application; HUMAN ENGINEERING--Behavioral Research; OPERATIONS RESEARCH--Human Factors

Identifiers: INDEPENDENT RESEARCH AND DEVELOPMENT (IR&D); PEOPLE ORIENTED R&D; R&D TRENDS; TRAINING AND PERSONNEL SYSTEMS TECHNOLOGY (TPST)

Classification Codes:

912 (Industrial Engineering & Management); 461 (Biotechnology)

91 (ENGINEERING MANAGEMENT); 46 (BIOENGINEERING)

9/5/29 (Item 9 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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02793431 E.I. Monthly No: EIM8909-031788

Title: **Operator model-based design and evaluation of advanced systems: Computational models.**

Author: Schryver, Jack C.

Corporate Source: Oak Ridge Natl Lab, Oak Ridge, TN, USA

Conference Title: 1988 IEEE Fourth Conference on Human Factors and Power Plants

Conference Location: Monterey, CA, USA Conference Date: 19880605

Sponsor: IEEE, Power Engineering Soc, New York, NY, USA; ANS, USA; ISA, Research Triangle Park, NC, USA

E.I. Conference No.: 12176

Source: IEEE Conference on Human Factors and Power Plants. Publ by IEEE, IEEE Service Center, Piscataway, NJ, USA. Available from IEEE Service Cent (cat n 88CH2576-7), Piscataway, NJ, USA. p 121-127

Publication Year: 1988

CODEN: ICHPEI

Language: English

Document Type: PA; (Conference Paper) Treatment: T; (Theoretical)

Journal Announcement: 8909

Abstract: A multilevel operator modeling effort is recommended to provide broad support for integrated design of advanced control and protection systems for **new** nuclear power **plants**. A computational model called INTEROPS (Integrated Reactor Operator/System) is described which accounts for the cognitive activities of the operator by combining the advantages of network simulation and **knowledge - based** simulation. The INTEROPS model is a time-based simulation model which can be coupled with and control a thermal-hydraulics model of nuclear power plant. The INTEROPS model can provide fine-grained **evaluation** of **allocation** of functions during the iterative design phase of advanced systems. 9 Refs.

Descriptors: \*NUCLEAR POWER PLANTS--\*Control Systems; CONTROL SYSTEMS--Human Factors; COMPUTER SIMULATION

Identifiers: **KNOWLEDGE BASED** SYSTEMS; MULTILEVEL OPERATOR MODELING; ADVANCED SYSTEMS; INTEROPS (INTEGRATED REACTOR OPERATOR/SYSTEM)

Classification Codes:

613 (Nuclear Power Plants); 731 (Automatic Control Principles); 461 (Biotechnology); 723 (Computer Software)

. 61 (PLANT & POWER ENGINEERING); 73 (CONTROL ENGINEERING); 46  
(BIOENGINEERING); 72 (COMPUTERS & DATA PROCESSING)

9/5/30 (Item 10 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
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02641222 E.I. Monthly No: EI8809086951

Title: **APPROACHES TO THE VERIFICATION AND VALIDATION OF EXPERT SYSTEMS FOR NUCLEAR POWER PLANTS.**

Author: Anon

Source: Electric Power Research Institute (Report) EPRI NP 5236 Jul 1987

2p

Publication Year: 1987

CODEN: ERNPD6

Language: English

Document Type: RR; (Report Review) Treatment: A; (Applications); T;  
(Theoretical)

Journal Announcement: 8809

Abstract: **Expert systems** - under development for a growing number of nuclear **plant** applications - require **different** evaluation techniques than conventional software systems. From an analytic review of **expert system** software and from comparisons with conventional software verification and validation, this effort produced preliminary guidelines for verifying and validating **expert systems**. After summarizing the procedures used to verify and validate conventional systems, the report sorts **expert systems** into the six categories and discusses techniques for evaluating the systems in each category. In introducing the guidelines, the report discusses **success** criteria, **evaluation** methodologies, and system configuration control. It then presents guidelines for each phase: requirements definition and analysis, design and prototype, programming and testing, installation, and operations and maintenance. (Edited author abstract)

Descriptors: NUCLEAR POWER PLANTS--\*Computer Applications; ARTIFICIAL INTELLIGENCE-- **Expert Systems** ; COMPUTER SOFTWARE

Identifiers: NUCLEAR COMPUTER CODES; **KNOWLEDGE BASE**

Classification Codes:

613 (Nuclear Power Plants); 723 (Computer Software); 621 (Nuclear Reactors)

61 (PLANT & POWER ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 62 (NUCLEAR TECHNOLOGY)

9/5/31 (Item 11 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
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02131750 E.I. Monthly No: EIM8611-078565

Title: **COMPUTER AIDED DESIGN ENGINEERING AND PLANT PIPING AND INSTRUMENTATION.**

Author: Kharche, P. G.

Corporate Source: Tata Consulting Engineers, Bangalore, India

Conference Title: Computers in Engineering 1986: Proceedings of the 1986 ASME International Computers in Engineering Conference and Exhibition.

Conference Location: Chicago, IL, USA Conference Date: 19860720

Sponsor: ASME, Computer Engineering Div, New York, NY, USA

E.I. Conference No.: 08437

Source: Computers in Engineering, Proceedings of the International Computers in Engineering Conference and Exhibit 1986 v 2. Publ by ASME, New York, NY, USA p 291-295

Publication Year: 1986

CODEN: COENEF

Language: English

Document Type: PA; (Conference Paper)

Journal Announcement: 8611

Abstract: A high level of cost-effectiveness, design consistency and information co-ordination in plant design can be achieved only through

intimate coupling of a **Data Base Management System ( DBMS )** with interactive graphics, design and analysis. This approach is described with illustrations from the TATA-CAPE software package for plant piping and instrumentation design, presently being used in a major power plant project. This package is based on a data model which accommodates schematics as well as component property and layout data. The data model is linked to interactive design and analysis programs so that the design engineer can evolve the data as the **project proceeds** . The data lead to a plant 3D model. Concepts such as systematization, standardization, technical **data banks** , etc. , which are known to the **plant designer**, are also implemented as **supplement** to the **plant data model**. This extent of software integration has been achieved in a UNIX environment. (Edited author abstract)

Descriptors: \*INDUSTRIAL PLANTS--\*Computer Aided Design; PIPING SYSTEMS

Identifiers: PLANT PIPING; **DATA BASE MANAGEMENT SYSTEMS**; LAYOUT DATA; **DATA BANKS** ; SYSTEMATIZATION; COST-EFFECTIVENESS

Classification Codes:

723 (Computer Software); 619 (Pipes, Tanks & Accessories)

72 (COMPUTERS & DATA PROCESSING); 61 (PLANT & POWER ENGINEERING)

9/5/32 (Item 1 from file: 7)

DIALOG(R)File 7:Social SciSearch(R)

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02944767 GENUINE ARTICLE#: VH140 NUMBER OF REFERENCES: 30

**TITLE: A PARSIMONIOUS MODEL FOR FORECASTING GROSS BOX-OFFICE REVENUES OF MOTION-PICTURES**

**AUTHOR(S): SAWHNEY MS; ELIASHBERG J**

**CORPORATE SOURCE: NORTHWESTERN UNIV/EVANSTON//IL/60208; UNIV PENN/PHILADELPHIA//PA/19104**

**JOURNAL: MARKETING SCIENCE, 1996, V15, N2, P113-131**

**ISSN: 0732-2399**

**LANGUAGE: ENGLISH DOCUMENT TYPE: ARTICLE**

**SUBFILE: SocSearch; CC SOCS--Current Contents, Social & Behavioral Sciences**

**JOURNAL SUBJECT CATEGORY: BUSINESS**

**ABSTRACT:** The primary objective of this paper is to develop a parsimonious model for **forecasting** the gross box-office **revenues** of new motion pictures based on early box office data. The paper also seeks to provide insights into the impact of distribution policies on the adoption of **new products** . The model is intended to assist motion picture exhibitor chains (retailers) in managing their exhibition capacity and in negotiating exhibition license agreements with distributors (studios), by allowing them to project the box-office potential of the movies they plan to or currently exhibit based on early box-office results. It is also of interest to practitioners in other software industries (e.g., music, books, CD-ROMs) where the distribution intensity is highly variable over the product life cycle and is an important determinant of **new product** adoption patterns. The model and its extensions are of interest to academic researchers interested in modeling distribution effects in **new product** adoption, as well as forecasters looking for ways to leverage historical data on related **products** to forecast the sales of **new products** . We draw upon a queuing theory framework to conceptualize stochastically the consumer's movie adoption process in two steps-the time  $t_c$ , decide to see the new movie and the time to net on the adoption decision. The parameter for the time-to-decide process captures the intensity of information intensity flowing from various information sources, while the parameter for the time-to-act process is related to the delay created by limited distribution intensity and other factors. Our conceptualization extends existing **new product** forecasting models, which assume that consumers act instantaneously on the motivating information they receive about the **new product** . The resulting model is parsimonious, yet it accommodates a wide range of adoption patterns. In addition, the stochastic formulation allows us to quantify the uncertainty surrounding the expected adoption pattern. In the empirical testing, we focus on the most parsimonious version of the modeling framework, BOXMOD-I, a model that assumes stationarity with



respect to the two shape parameters that characterize the adoption process. The model produces fairly accurate early forecasts using at most the first three weeks of data of calibration, and the predictive performance of the model compares favorably with benchmark models. We propose extensions of the basic model that account for more realistic nonstationary distribution intensity patterns-including a 'wide release' pattern that relies on intensive distribution and promotion, and a 'platform release' pattern that involves a gradual buildup of distribution intensity. Finally, we present an adaptive weighing scheme that combines initial parameter estimates obtained from a meta-analysis procedure with estimates obtained from early data to produce forecasts of box-office revenues for a new movie when little or no box-office data are available.

An important finding from the empirical testing is that motion picture box-office revenue patterns display remarkable empirical regularity. We find that there are only three classes of adoption patterns, and these can all be represented within the basic model by using a two-parameter Exponential or Erlang-2 probability distribution, or a three parameter Generalized Gamma distribution. We also find that cumulative box-office revenues can be predicted with reasonable accuracy (often within 10% of the actual) using as little as two or three data points. However, our attempts to predict revenue patterns without any sales data meet with limited success. While the scale parameter can be estimated reasonably well from a historical database of parameter values, we find that it is considerably more difficult to predict the shape parameters using historical data. The parsimony we seek in developing the model comes at the cost of several limiting assumptions. We assume that the time-to-decide subprocess and the time-to-act subprocess are independent, which may not be the case if decisions on continued exhibition by retailers are endogenously related to box-office revenues over the life cycle. In the basic model formulation, we also assume that the time-to-act process can be represented by an exponential distribution, which may not always be the case. While we provide some empirical evidence to support these assumptions, further research could relax these and other assumptions to enrich the basic model, although this would entail some loss in parsimony.

DESCRIPTORS--Author Keywords: FORECASTING ; MOTION PICTURES ; DISTRIBUTION ; STOCHASTIC MODELS ; CONSUMER BEHAVIOR

IDENTIFIERS--KeyWords Plus: CONSUMPTION

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9/5/33 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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1715300 NTIS Accession Number: AD-A260 558/2

**Design Management and Job Assignment System**

(Technical rept. May 89-Mar 90)

Badr, S. M. ; Berzins, V.

Naval Postgraduate School, Monterey, CA. Dept. of Computer Science.

Corp. Source Codes: 019895006; 422721

Report No.: NPS-CS-92-020

Dec 92 30p

Languages: English

Journal Announcement: GRAI9311

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NTIS Prices: PC A03/MF A01

Country of Publication: United States

This report introduces the basic approach taken in designing the design management and job assignment system (DMJAS) for CAPS93. This approach uses a model of software evolution (8) which defines how software changes, once it has been approved, will be applied to the software release (version) to produce another version of the software incorporating this change. This process is called an evolution step. The proposed system represents a management layer between the user interface (supporting two user classes, managers and designers) and the design database. The DMJAS controls the software evolution process in an incrementally evolving software system where the job steps to be scheduled are only partially known: time required, the set of sub-tasks for each step, and the input/output constraints between steps are all uncertain, and are all subject to change as steps are carried out. Models of design database and manager/designer interface are explained followed by the proposed system.... Software evolution, Job assignment, Design database, Evolution step, Software prototyping.

Descriptors: Data bases ; \*Job analysis ; \*Computer aided design; \*Software engineering; Allocations ; Control; Input; Interfaces; Management; Models; Output

Identifiers: NTISDODXA

Section Headings: 62B (Computers, Control, and Information Theory--Computer Software); 70B (Administration and Management--Management Practice)

9/5/34 (Item 2 from file: 6)

DIALOG(R)File 6:NTIS

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1621629 NTIS Accession Number: TIB/A91-02209

**Einbindung der Geraeuschsituation und -minderung in die Planung einer Fertigungshalle. Schlussbericht. (Planning of a plant covering inclusion of noise level and noise reduction. Final report)**

Milbradt, U. ; Rueter, R. ; Springer, H.J. ; Wendt, W.

Rentrop, Hubbert und Wagner Fahrzeugausstattung G.m.b.H. und Co. K.G., Stadthagen (Germany, F.R.).

Corp. Source Codes: 102623000

Sponsor: Bundesministerium fuer Forschung und Technologie, Bonn (Germany).

Oct 88 107p

Languages: German

Journal Announcement: GRAI9205

. . . In German.

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NTIS Prices: PC E14

Country of Publication: Germany, Federal Republic of

Contract No.: BMFT 01HK996

Within the framework of this project the acoustical ratings of existing machines and equipment as well as the acoustical ratings of new machines to be purchased and of a new assembly shop were determined. The machines already existing could be measured at a **different** place within the manufacturing **plant**, whereas the **new** machines to be purchased were inspected at the supplier's works. As the new assembly shop is identical with a building that has already been erected, relevant acoustical data could already be collected in the existing shop. By means of a computing program it is possible to calculate the sound level distributions, proceeding from existing and known preconditions. The analysis of the calculated sound diagrams on the basis of sound reducing measures, the effect of such measures taken for granted (reduction of sound output) leads to up to an assessment of measures. The forecast sound level distributions after implementation of sound reducing measures were verified and re-measured after practical execution of the respective sound reducing measures. The results of the forecasts were confirmed by these re-measurements. In order to enforce a long-term strategy for sound reduction, the practical implementation of expansible sound reducing measures, together with a subsequent evaluation as well as an optimization of the measures is required. Only in this way can weak points that are already present be recognized and eliminated. Experience gained with this project shows that even purchased products are not always optimally designed. This general approach was confirmed by its **success**. In this **project** we succeeded to put through a medium-term strategy for evaluation levels smaller than 90 **dB** in the area of the presses and a level of less than 85 **dB** within the neighbouring assembly area. Additional funds and an increasing awareness of the workers with respect to a 'noise avoiding attitude' will be helpful to either realize or to expand, respectively, strategies which aim at sound levels below 85 **dB** in production areas. (orig.). (Available from TIB Hannover: FR 5277.) (Copyright (c) 1991 by FIZ. Citation no. 91:002209.)

Descriptors: \*Noise pollution abatement; \*Production; Working conditions; Sound measurements

Identifiers: \*Foreign technology; NTISTFFIZ

Section Headings: 68B (Environmental Pollution and Control--Noise Pollution and Control); 46A (Physics--Acoustics)

9/5/35 (Item 3 from file: 6)

DIALOG(R) File 6:NTIS

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1364569 NTIS Accession Number: AD-A189 711/5

#### Overview of the Army GIS (Geographic Information Systems) Research Program

Porter, E. D.

Army Engineer Topographic Labs., Fort Belvoir, VA.

Corp. Source Codes: 008093000; 403192

Report No.: ETL-R126

23 Nov 87 13p

Languages: English

Journal Announcement: GRAI8813

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NTIS Prices: PC A03/MF A01

Country of Publication: United States

The U.S. Army Engineer Topographic Laboratories (USAETL) geographic information systems (GIS) research program seeks to define GIS requirements

for operational use in the 1990's and beyond, and to develop advanced GIS processing techniques that will facilitate detailed, near-real time update and revision and terrain product generation. USAETL has initiated two new work units in the GIS technology base research program. The projects follow an earlier work unit, the Terrain Analyst Work Station (TAWS), which successfully demonstrated microcomputer-based GIS technology in field and Army garrison environments. From evaluations of TAWS demonstrations and development activities, researchers are proposing baseline Army GIS requirements and are working at developing corresponding performance standards. The functional requirements are and the Soldier-to-GIS Interface Research (S-GIR). AGE is a study to test and anticipated Army requirements for the management and manipulation of digital terrain data (DTD). S-GIR is a developmental effort which will study and prepare a dynamic design for a specialized direct a sophisticated shell or front-end for GIS modules which will be selected (based on AGE study results) for use in a prototype advanced Army GIS.

Descriptors: Information systems; \*Data processing; Analysts; Base lines; Data bases; Digital systems; Dynamics; Functions; Geography; Military requirements; Prototypes; Real time; Standards; Terrain; Digital maps

Identifiers: \*GIS(Geographic Information Systems); NTISDODXA

Section Headings: 48I (Natural Resources and Earth Sciences--Cartography); 48GE (Natural Resources and Earth Sciences--General); 74G (Military Sciences--Military Operations, Strategy, and Tactics); 88A (Library and Information Sciences--Operations and Planning)

9/5/36 (Item 4 from file: 6)

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1003157 NTIS Accession Number: DE82903861

High-Reliability Gas Turbine Combined-Cycle Development Program: Phase II. Volume 2. Final Report

Vetere, A. M.

Westinghouse Electric Corp., Concordville, PA. Combustion Turbine Systems Div.

Corp. Source Codes: 071201001; 9511211

Report No.: EPRI-AP-2321-V.2

Mar 82 449p

Languages: English

Journal Announcement: GRAI8307; NSA0700

Portions of document are illegible.

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NTIS Prices: PC A19/MF A01

Country of Publication: United States

The purpose of the High Reliability Gas Turbine Combined-Cycle Development Program is to develop a gas turbine design with sufficient reliability to be considered for baseload service in a combined-cycle plant. The objective of this program is to generate a new conceptual centerline design for gas turbine and accessories, with reliability as the key parameter. The Electric Power Research Institute (EPRI), Inc. awarded the Westinghouse Combustion Turbine Systems Division a contract (RP1187) under Phase II, which required an in-depth analysis of problem areas and approaches identified in Phase I, definition of goals and strategy for reliability improvement, and a specification for the Phase III design. The effort and results of Phase II interrelated tasks are described. These tasks include: (1) data and RAM methodology update providing a data base necessary for apportionments, predictions, and design efforts utilizing a representative combined cycle plant; (2) RAM and COE analysis including goal allocation, prediction analysis, guidance/support to perform FMEA analysis, combined cycle plant optimization, component life evaluation, and alternate design solutions as a function of COE; (3) New centerline combustion turbine engine design including CT auxiliary systems, advanced CT technology development, CT engine performance analysis, subassembly and component design, and integration of a new HI-REL CTCC plant; (4)

Combined cycle plant component design and analysis including other CC components and systems needed to integrate the new CT engine, CT engine auxiliary systems, CC plant auxiliary subsystems, and CC fuel systems; and (5) Program planning to define the goals of future phases of the EPRI High Reliability Combustion Turbine Project. This volume reports on tasks 4 and 5. (ERA citation 07:043241)

Descriptors: \*Combined-cycle power plants; \*Gas turbines; Reliability; Design; Failure mode analysis; Failures; Cost; Electric power; Corrosion; Control systems; Combustors; Power generation; Optimization

Identifiers: ERDA/200102; ERDA/200104; NTISDEP

Section Headings: 97I (Energy--Electric Power Production); 97L (Energy--Engine Studies (Energy Related))

9/5/37 (Item 5 from file: 6)

DIALOG(R)File 6:NTIS

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1000499 NTIS Accession Number: DE82903862

**High-Reliability Gas Turbine Combined-Cycle Development Program: Phase II. Volume 1. Final Report**

Vetere, A. M.

Westinghouse Electric Corp., Concordville, PA. Combustion Turbine Systems Div.

Corp. Source Codes: 071201001; 9511211

Report No.: EPRI-AP-2321-V.1

Mar 82 378p

Languages: English

Journal Announcement: GRAI8306; NSA0700

Portions of document are illegible.

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NTIS Prices: PC A17/MF A01

Country of Publication: United States

The purpose of the High Reliability Gas Turbine Combined-Cycle Development Program is to develop a gas turbine design with sufficient reliability to be considered for baseload service in a combined-cycle plant. The objective of this program is to generate a new conceptual centerline design for gas turbine and accessories, with reliability as the key parameter. The Electric Power Research Institute (EPRI), Inc. awarded the Westinghouse Combustion Turbine Systems Division a contract (RP1187) under Phase II, which required an in-depth analysis of problem areas and approaches identified in Phase I, definition of goals and strategy for reliability improvement, and a specification for the Phase III design. The effort and results of Phase II interrelated tasks are described. These tasks include: (1) Data and RAM methodology update providing a **data base** necessary for apportionments, predictions, and design efforts utilizing a representative combined cycle plant; (2) RAM and COE **analysis** including goal **allocation**, prediction **analysis**, guidance/support to perform FMEA analysis, combined cycle plant optimization, component life evaluation, and alternate design solutions as a function of COE; (3) New centerline combustion turbine engine design including CT auxiliary systems, advanced CT technology development, CT engine performance analysis, subassembly and component design, and integration of a **new HI-REL CTCC plant**; (4) Combined cycle plant component design and analysis including other CC components and systems needed to integrate the new CT engine, CT engine auxiliary systems, CC plant auxiliary subsystems, and CC fuel systems; and (5) Program planning to define the goals of future phases of the EPRI High Reliability Combustion Turbine Project. This volume covers the first three tasks. (ERA citation 07:043240)

Descriptors: \*Combined-cycle power plants; \*Gas turbines; Reliability; Design; Failure mode analysis; Failures; Cost; Electric power; Corrosion; Control systems; Combustors; Power generation; Optimization

Identifiers: ERDA/200102; ERDA/200104; NTISDEP

Section Headings: 97I (Energy--Electric Power Production); 97L (Energy--Engine Studies (Energy Related))

9/5/38 (Item 6 from file: 6)

DIALOG(R) File 6:NTIS

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0830865 NTIS Accession Number: CONF-800428-3/XAB

**Technology Assessment for an Atmospheric Fluidized-Bed Combustion Demonstration Plant**

Siman-Tov, M. ; Jones, J. E.

Oak Ridge National Lab., TN.

Corp. Source Codes: 021310000; 4832000

Sponsor: Department of Energy, Washington, DC.

1980 34p

Languages: English Document Type: Conference proceeding

Journal Announcement: GRAI8019; NSA0500

International conference on fluidized bed combustion, Atlanta, GA, USA, 9 Apr 1980.

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NTIS Prices: PC A03/MF A01

Country of Publication: United States

Contract No.: W-7405-ENG-26

This study assesses the atmospheric fluidized-bed combustion (AFBC) technology with respect to design, construction, and operation of a demonstration power plant in the range of 150 to 250 MW(e) capacity and identifies the most critical research and development needs for the plant project. The general conclusion of these studies is that AFBC is feasible for large power plants and that it has a generally good potential for providing an economically and environmentally acceptable **alternative** to conventional coal-fired power **plants**. Several areas of technical uncertainty must, however, be resolved in order to ensure **success** of an AFBC demonstration plant **project**. Much of the existing **data base** for AFBC comes from small-scale test units, and much of it is still inconclusive. A number of operational and design problems exist that do not yet have conclusive answers. A focused research and development program aimed at the early resolution of these problems should be carried out to ensure successful construction and operation of the proposed AFBC demonstration plant and early commercialization of the technology. A large flexible feeding test facility designed to investigate the feeding problems and possibilities should be constructed. A materials-test facility is also needed for testing, evaluating and selecting materials, as well as demonstrating their long-term compatibility. An intermediate-size pilot plant with sufficient flexibility to test alternate solutions to the above-mentioned problems will considerably strengthen the demonstration program. (ERA citation 05:020021)

Descriptors: \*Fluidized-bed combustion; Coal; Demonstration plants; Fluidized-bed combustors; Materials; Recommendations; Research programs; Technology assessment; Test facilities

Identifiers: ERDA/014000; ERDA/421000; NTISDE

Section Headings: 81A (Combustion, Engines, and Propellants--Combustion and Ignition)

9/5/39 (Item 1 from file: 14)

DIALOG(R) File 14:Mechanical Engineering Abs

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0245421 D91004731

**Plant layout - untouched by human hand?**

Madden, J.M.; Pulford, C.; Shadbolt, N.

Zyqad, 14 Clumber St., Nottingham NG1 3DS, UK

CHEM. ENGINEER NO. 474 pp. 32-36 1990

Languages: ENGLISH

Journal Announcement: V24N3

Which design decisions most influence the success or failure of a new

. . plant project? Selecting the optimum process must come first, but generating a 3D plant layout is not far behind. Until recently, layout has proved resistant to application of either formal methods or computer aids. Our new approach to the problem uses an expert system capable of generating a 3D plant layout entirely conventional flowsheet and process data.

Descriptors: chemical plants; plant and factory layout; computer aided design; artificial intelligence; expert systems

Section Class Codes: D8720

9/5/40 (Item 2 from file: 14)

DIALOG(R)File 14:Mechanical Engineering Abs

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0219899 D88008007

**Managing relations between R+D and marketing in new product development projects**

Souder, W.E.

Dep. Ind. Eng., 1048 Benedum Eng. Hall, Univ. Pittsburgh, Pittsburgh, PA 15261, USA

J. PROD. INNOVATION MANAGE. VOL. 5, NO. 1 pp. 6-19 1988

Notes: SUMMARY LANGUAGE - ENGLISH

Languages: ENGLISH

Journal Announcement: V21N6

This article examines the R+D/marketing interface conditions found within an extensive data base of new product development innovation projects. The incidence of different types of problems between these two important functions are analyzed and the effects of these observations on project outcomes are discussed. The article contains a number of recommendations for increasing the success rates of innovation projects by using a model that improves conditions at the R+D/marketing interface.

Descriptors: research and development; marketing; management; product design; project engineering

Section Class Codes: D1120

File 344: CHINESE PATENTS ABS APR 1985-2002/APR  
(c) 2002 EUROPEAN PATENT OFFICE  
File 347: JAPIO Oct/1976-2001/Dec(Updated 020503)  
(c) 2002 JPO & JAPIO  
File 350: Derwent WPIX 1963-2001/UD, UM & UP=200234  
(c) 2002 Thomson Derwent

Patbib

?ds

Set	Items	Description
S1	1782541	FARM? OR PHARM? ? OR PHARMING? OR FIELD? ? OR AGRICULTUR? - OR GRANG? OR HOMESTEAD? OR PLANTATION? OR HACIENDA? OR AREA? ? OR LAND? ? OR TRACT? OR REAL() ESTATE OR ACRE? OR RANCH? OR H- ECTARE?
S2	5062486	S1 OR CROP? ? OR TYPE? OR PLANT? OR MONEYCROP? OR (CROP? OR PRODUCT? ?) (1W) INTEREST? OR HARVEST? ? OR PRODUCE OR PRODUCT? OR AGRIBUSINESS? OR SPECIES? OR GREENHOUSE? OR AGROFORESTY?
S3	261914	S2(5N) (NEW? ? OR SECOND OR 2ND OR ADDITIONAL OR ALTERNATIV- E? OR DIFFERENT? OR SUPPLEMENT? OR EXTRA? OR ANOTHER? OR AUGM- ENT? OR ADDED OR BACK() UP?)
S4	1861369	ANALYS? OR ANALYZ? OR FORECAST? OR ESTIMAT? OR PLAN OR PLA- NNED OR PLANNING OR CALCULAT? OR PICK? OR RECOMMEND? OR EVALU- AT? OR TARGET? OR PROJECT?
S5	15876	S4(5N) (PROFIT? ? OR EARNING? OR RETURN? ? OR SUCCESS? OR L- UCRATIVE? OR MONEY() MAKER? OR COMPENSATION? OR DIVIDEND? OR I- NCOME? OR PERCENTAGE? OR PROCEEDS OR RECEIVABLE? OR REVENUE? - OR ALLOCATION? OR MPF OR MOST() PROFITABLE() FARM?)
S6	376	S3 AND S5
S7	11	S6 AND (VEGETABLE? OR FRUIT? OR CORN? OR CEREAL? OR GINSEN- G? OR HERB? ? OR TOBACCO? OR GRAIN? OR CULTIVAR? OR LEGUME? OR SOYBEAN? OR OAT? ? OR BARLEY? OR WHEAT?)
S8	120	S6 AND (IDENTIF? OR DETERMIN? OR DEFINE? SELECT? OR CHOSE? OR CHOOS?)
S9	36	S8 AND IC=G06F?
S10	35	S9 NOT S7



7/9/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014132317

WPI Acc No: 2001-616528/200171

XRAM Acc No: C01-184671

XRFX Acc No: N01-459833

**Expression cassette comprising polynucleotide associated with improved root quality and improved root lodging resistance useful as molecular markers or primers for selecting and advancing breeding lines e.g. maize**

Patent Assignee: PIONEER HI-BRED INT INC (PION-N); BRUCE W B (BRUC-I)

Inventor: BRUCE W B

Number of Countries: 090 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200173091	A2	20011004	WO 2001US9399	A	20010323	200171 B
US 20010052140	A1	20011213	US 2000191927	A	20000324	200204
			US 2000235803	A	20000927	
			US 2001816279	A	20010323	
AU 200145963	A	20011008	AU 200145963	A	20010323	200208

Priority Applications (No Type Date): US 2000235803 P 20000927; US 2000191927 P 20000324; US 2001816279 A 20010323

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200173091	A2	E	48	C12N-015/82	
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Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20010052140	A1			C12N-015/29	Provisional application US 2000191927
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AU 200145963	A			C12N-015/82	Provisional application US 2000235803 Based on patent WO 200173091
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Abstract (Basic): WO 200173091 A2

NOVELTY - A recombinant expression cassette (I) comprising a polynucleotide (II) from Hsp 70, elongation factor 1 $\alpha$  (E1 $\alpha$ ), cytochrome P450-dependent monooxygenase (CYP71C2), and an impedance-induced protein, operably linked in sense or anti-sense orientation to a promoter, where the cassette is capable of conferring improved root-lodging resistance in the transformed plant, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) a host cell comprising (I);
- (2) a transgenic plant (III) comprising (I);
- (3) a transgenic seed from (III); and
- (4) selecting (M1) maize inbred lines capable of conferring resistance to root lodging comprising:
  - (a) growing inbred lines; determining differential expression of genes comprising (II), based on expression analysis of mRNA from root tissues of the lines at defined vegetative growth stages, and selecting those inbred lines where gene expression is within parameters which predict desirable root-lodging scores; or
  - (b) growing inbred lines which differ in root-lodging phenotype, identifying a TrpA polymorphism associated with root-lodging resistance and screening candidate maize lines for existence of the identified polymorphism.

ACTIVITY - Plant protectant.

MECHANISM OF ACTION - Antisense-therapy; gene-therapy.

No supporting data is given.

USE - (I) is useful for modulating root quality and/or root-lodging resistance in a plant. The method comprises introducing (I) into a plant cell and culturing the plant cell under plant growing conditions, regenerating a plant from the cultured plant cell and inducing

1 expression of (II) for a time sufficient to modulate root quality and/or root-lodging resistance in the plant (claimed). (I) comprising (II) is useful as molecular markers or PCR primers for screening breeding lines for resistance to root lodging and/or root quality.

ADVANTAGE - (I) confirms improved root quality and root lodging resistance in plants. Molecular characterization provides an advantage in that the high-throughput nature of profiling can dramatically speed the process of selection and increase the rate of crop improvement.

pp; 48 DwgNo 0/4

Title Terms: EXPRESS; CASSETTE; COMPRISE; POLYNUCLEOTIDE; ASSOCIATE; IMPROVE; ROOT; QUALITY; IMPROVE; ROOT; LODGE; RESISTANCE; USEFUL; MOLECULAR; MARK; PRIME; SELECT; ADVANCE; BREEDER; LINE; MAIZE

Derwent Class: C06; D16; P13

International Patent Class (Main): C12N-015/29; C12N-015/82

International Patent Class (Additional): A01H-001/04; A01H-005/00;

C12Q-001/68

File Segment: CPI; EngPI

7/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014065906

WPI Acc No: 2001-550119/200161

XRAM Acc No: C01-163759

XRPX Acc No: N01-408649

**Transforming plant plastid without requiring selection of transformants by detection of antibiotic resistance, involves converting toxic betaine aldehyde (BA) by BA dehydrogenase enzyme to non-toxic glycine betaine**

Patent Assignee: UNIV AUBURN (AUBU ); UNIV CENT FLORIDA (UYFL-N)

Inventor: DANIELL H

Number of Countries: 095 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200164023	A1	20010907	WO 2001US6275	A	20010228	200161 B
AU 200145359	A	20010912	AU 200145359	A	20010228	200204

Priority Applications (No Type Date): US 2000259154 P 20001229; US

2000186308 P 20000302; US 2000208763 P 20000604; US 2000257406 P 20001222

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200164023 A1 E 43 A01H-005/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200145359 A A01H-005/00 Based on patent WO 200164023

Abstract (Basic): WO 200164023 A1

NOVELTY - Transforming plastid genome of plant cell without requiring selection for successful transformants by detection of antibiotic (AB) resistance, involves introducing into cells of plant whose growth is inhibited by AB-free phytotoxic agent (I), an expression cassette with DNA sequence encoding detoxifying enzyme which acts as selectable marker and detoxifies (I) to corresponding non-toxic compound.

DETAILED DESCRIPTION - Transforming (M1) the plastid genome of a plant cell, where the method does not require selection for successful transformants by the detection of antibiotic resistance, involves introducing into cells of a plant species whose growth is inhibited by an antibiotic-free phytotoxic agent, an expression cassette which comprises as operably joined components, a 5' part of the plastid DNA sequence inclusive of a spacer sequence, a promoter operative in the plastid, a DNA sequence encoding a detoxifying enzyme or protein acting as a selectable marker for transgenic plant cells and capable of

1 detoxifying (I) in the cells to the corresponding nontoxic compound, a heterologous target DNA sequence, a transcription termination region functional in the plant chloroplast cells, and the 3' part of a plastid DNA sequence inclusive of a spacer sequence.

INDEPENDENT CLAIMS are also included for the following:

(1) an integration and expression plastid vector (II) competent for stably transforming the plastid genome where growth is inhibited by (I), comprises an expression cassette which comprises as operably joined components, a 5' part of the plastid DNA sequence inclusive of a spacer sequence, a promoter operative in the plastid, a DNA sequence encoding a detoxifying enzyme or protein acting as a selectable marker and capable of detoxifying (I) in the cells to the corresponding nontoxic compound, a restriction site for the insertion of heterologous target gene, a transcription termination region functional in the plastid, and the 3' part of a plastid DNA sequence inclusive of a spacer sequence; and

(2) a stably transformed plant (III) which comprises chloroplast which has been stably transformed with (II) which comprises an expression cassette comprising the above mentioned components, and a DNA sequence encoding betaine aldehyde dehydrogenase as a selectable marker which is capable of detoxifying the phytotoxic aldehyde in the cells to glycine betaine, or a progeny of the plant.

USE - Transforming the plastid genome of a plant cell, where the method does not require selection for successful transformants by the detection of antibiotic resistance (claimed). Since betaine aldehyde dehydrogenase converts toxic betaine aldehyde to non-toxic glycine betaine, which is the most effective osmoprotectant, the method also confers osmoprotection to the transgenic plants by chloroplast transformation, in addition to providing a antibiotic-free selection process. Thus the method indirectly is useful for producing draught tolerant plants.

ADVANTAGE - Selecting genetically engineered or transformed plants without the use of antibiotics as a selectable marker, circumvents the problem of genetic pollution through plastid transformation. The efficiency of transformation is 25 fold higher in betaine aldehyde selection than spectinomycin selection. Also, the procedure results in rapid regeneration. The entire process regeneration takes about 2-3 months for betaine aldehyde selection as compared to 3-6 months for spectinomycin selection. Under spectinomycin selection leaf discs continued to grow but pigments were bleached, resistant clones formed green shoots in 45 days, but in betaine aldehyde selection, growth of leaf discs was completely inhibits and photosynthetic pigments were degraded and resistant clones formed green shoots within 12 days. It is safe to use betaine aldehyde selection because of the lack of pleiotropic effects.

pp; 43 DwgNo 0/9

Title Terms: TRANSFORM; PLANT; REQUIRE; SELECT; TRANSFORM; DETECT; ANTIBIOTIC; RESISTANCE; CONVERT; TOXIC; BETAINE; ALDEHYDE; DEHYDROGENASE; ENZYME; NON; TOXIC; GLYCINE; BETAINE

Derwent Class: C06; D16; P13

International Patent Class (Main): A01H-005/00

International Patent Class (Additional): C12N-005/04; C12N-015/29;

C12N-015/31; C12N-015/52; C12N-015/82

File Segment: CPI; EngPI

7/5/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013913847

WPI Acc No: 2001-398060/200142

XRAM Acc No: C01-121040

**Use of foodstuff ingredients with a reduced capacity to bind zinc ions for the prevention of diabetes mellitus development in infants and young children**

Patent Assignee: NUTRICIA NV (NUTR-N)

Inventor: BOEHM G; GEORGI G; SAWATZKI G; WISSLER J H

Number of Countries: 058 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200143563	A1	20010621	WO 2000EP12895	A	20001215	200142	B
AU 200121679	A	20010625	AU 200121679	A	20001215	200162	

Priority Applications (No Type Date): DE 1061353 A 19991217

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200143563	A1	G	23	A23J-003/34	
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Designated States (National): AL AU BR CA CN CZ HU ID IL IN JP LT LV MK  
MX NO NZ PL RO RU SG SI SK SL TR UG US VN ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200121679	A			A23J-003/34	Based on patent WO 200143563
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Abstract (Basic): WO 200143563 A1

NOVELTY - Foodstuff ingredients which have been modified to provide an at least 20% reduction in their ability to bind or precipitate zinc ions are used in infants and young children to reduce the epidemiologically established risk of diabetes mellitus type I.

DETAILED DESCRIPTION - Foodstuff ingredients which have been modified to provide an at least 20% reduction in their ability to bind or precipitate zinc ions are used in infants and young children to reduce the epidemiologically established risk of diabetes mellitus type I. The foodstuff ingredients are of animal, **vegetable**, microbiological and/or genetically engineered origin, but not of human origin, and are used or can be used for foodstuff production.

USE - The modified foodstuff ingredients are useful for the **production** of foods, food **supplements** and food additives for infants and young children.

pp; 23 DwgNo 0/0

Title Terms: FOOD; INGREDIENT; REDUCE; CAPACITY; BIND; ZINC; ION; PREVENT; DIABETES; MELLITUS; DEVELOP; INFANT; YOUNG; CHILD

Derwent Class: B04; D13; D16

International Patent Class (Main): A23J-003/34

International Patent Class (Additional): A23J-001/14; A23J-001/20;

A23L-001/305

File Segment: CPI

7/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013796781

WPI Acc No: 2001-280992/200129

XRAM Acc No: C01-085301

Detecting *Cyclospora* in a sample, involves using polymerase chain reaction and hybridization-based techniques which employ oligonucleotide sequences having specific discrimination nucleotide positions of

*Cyclospora* 18S rRNA sequence

Patent Assignee: UNIV LELAND STANFORD JUNIOR (STRD ); US SEC OF ARMY (USSA )

Inventor: ECHEVERRIA P; RELMAN D A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6214548	B1	20010410	US 9736564	A	19970129	200129	B
			US 9815259	A	19980129		

Priority Applications (No Type Date): US 9736564 P 19970129; US 9815259 A 19980129

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 6214548	B1		24	C12Q-001/68	Provisional application US 9736564
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Abstract (Basic): US 6214548 B1

NOVELTY - Detecting (M1) Cyclospora (CA) in a sample, comprising reacting a sample with an oligonucleotide (O) having a sequence which matches a 1747 base pair CA 18S rRNA sequence (S2), fully defined in the specification in a region that includes a specific discrimination position (R1) in (S2), is new. (O) anneals with CA DNA to produce DNA whose formation depends on hybridization of (O) to CA DNA.

DETAILED DESCRIPTION - Detecting (M1) Cyclospora (CA) in a sample, comprising reacting a sample with an oligonucleotide (O) having a sequence which matches a 1747 base pair CA 18S rRNA sequence (S2), fully defined in the specification in a region that includes a specific discrimination position (R1) in (S2), is new. (O) anneals with CA DNA to produce DNA whose formation depends on hybridization of (O) to CA DNA. (O) has a sequence which matches (S2) in a region including a discrimination position of 155, 178, 249, 258, 262, 328, 473, 495, 501, 507, 636, 660, 667, 698, 706, 831, 1473, 1579, 1654, 1659, 1664, 1674, 1675, 1684 or 1694 (R1) in (S2).

INDEPENDENT CLAIMS are also included for the following:

(1) detecting (M2) Cyclospora (CA) in a sample, comprising:

(a) amplifying the DNA by polymerase chain reaction (PCR) using a primer set, consisting of two primers, where at least one of the primers includes at least one discrimination position (R1), to generate a set of amplification products; and

(b) identifying, in the set of amplification products the presence of CA-specific 18S rRNA amplification products, which indicates the presence of CA in sample;

(2) detecting (M3) Cyclospora (CA) in a sample, comprising:

(a) amplifying the DNA by PCR using a primer set, consisting of two primers, which are designed to amplify a DNA fragment containing a sequence which includes one or more discrimination positions at (R1), to generate a set of amplification products and

(b) identifying, in the set of amplification products, the presence of CA-specific 18S rRNA amplification products, which indicates the presence of CA in sample;

(3) a set of PCR primers (I) suitable for the detection of CA comprising a primer having a sequence identical to or fully complementary to a region of (S2) and a second primer having a sequence identical to or fully complementary to a second region of (S2), in which the 3' nucleotide of at least one of the primers has (R1); and

(4) a set of oligonucleotide ligation assay primers suitable for the detection of CA, comprising a primer having a sequence identical to a region of (S2) and a second primer having a sequence identical to a second region of (S2), the two regions are adjacent to one another on (S2), and the sequence of the first primer spans at least one discrimination position (R1).

USE - For detecting the presence of CA, preferably *C. cayetanensis* in a human stool sample, a **fruit** sample such as berry, **vegetable** or water. (M3) is useful for detecting CA infection in a human subject, by obtaining a sample (a stool sample or a biopsy sample of the intestinal lining) from the subject, isolating DNA-containing oocysts from sample and performing (M3). The presence of CA-specific 18S rRNA amplification products, is indicative of a CA infection in the human subject. (All claimed). The PCR assay may be used to detect CA contamination of food, **vegetables**, water and clinical diagnosis of CA infection.

ADVANTAGE - Since the PCR primers used selectively amplify CA sequences and include a 3' end nucleotide corresponding to one of the positions in CA 18S rRNA sequence which differs from CA and *Eimeria* sequences, the presence of CA sample may be assayed with the primers simply by detecting the presence of an appropriately sized DNA product without the need for subsequent analysis of amplification product. The methods are highly sensitive in detecting CA in a sample.

pp; 24 DwgNo 0/4

Title Terms: DETECT; SAMPLE; POLYMERASE; CHAIN; REACT; BASED; TECHNIQUE;  
EMPLOY; SEQUENCE; SPECIFIC; DISCRIMINATE; NUCLEOTIDE; POSITION; SEQUENCE  
Derwent Class: B04; D16

International Patent Class (Main): C12Q-001/68

International Patent Class (Additional): C07H-021/02; C07H-021/04;

C12N-015/00; C12P-019/34

File Segment: CPI

7/5/5 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013720986 \*\*Image available\*\*  
WPI Acc No: 2001-205216/200121  
XRPX Acc No: N01-146669

Display control system for simulator has compensation unit which performs  
patterning compensation of false image so that horizontal directions of  
visual-field image and pseudo image are in accord

Patent Assignee: MITSUBISHI ELECTRIC CORP (MITQ )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000348198	A	20001215	JP 99156368	A	19990603	200121 B

Priority Applications (No Type Date): JP 99156368 A 19990603

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000348198	A		14	G06T-015/00	

Abstract (Basic): JP 2000348198 A

NOVELTY - A compensation unit performs the patterning compensation of a false image based on the inclination between the coordinates and a central coordinate. A pseudo image is sent to a **projector** after **compensation**. The **compensation** unit performs the patterning compensation regardless of the inclination of a false telescope, so that the horizontal directions of the visual-field image and pseudo image are in accord.

DETAILED DESCRIPTION - An indicator specifies the **corner** of each screen optically. The first coordinate of the visual- **field** image and the **second** coordinate of the false image are individually determined according to the detected indication of the **corner** of each screen.

USE - For simulator used in aeronautical navigation control.

ADVANTAGE - Enables display control without limitation of implementation condition. Maintains image on pseudo telescope in normal condition irrespective of inclination of pseudo telescope. Maintains uniform level of external-field display in state wherein extension of hardware by number of coats of screens can be suppressed. Enables reliable detection of direction of eyes of pseudo telescope.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of component of display control system.

pp; 14 DwgNo 1/12

Title Terms: DISPLAY; CONTROL; SYSTEM; SIMULATE; COMPENSATE; UNIT;  
PERFORMANCE; PATTERN; COMPENSATE; FALSE; IMAGE; SO; HORIZONTAL; DIRECTION  
; VISUAL; FIELD; IMAGE; PSEUDO; IMAGE; ACCORD

Derwent Class: P81; P85; T01; W06

International Patent Class (Main): G06T-015/00

International Patent Class (Additional): G02B-027/02; G06F-003/033;

G09B-009/08

File Segment: EPI; EngPI

7/5/6 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013717879  
WPI Acc No: 2001-202103/200120  
Related WPI Acc No: 1999-347469; 1999-347479; 1999-347487; 1999-347488;  
2001-450495; 2002-121161  
XRAM Acc No: C01-059973  
XRPX Acc No: N01-144126

Directly selecting transformed plant cells, useful for genetically  
modifying or engineering chromosomal rearrangements in plants, comprises  
employing novel transfer cassettes and recombination sites in a gene

**targeting system**

Patent Assignee: PIONEER HI-BRED INT INC (PION-N)

Inventor: BASZCZYNSKI C L; BOWEN B A; PETERSON D J; TAGLIANI L A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6187994	B1	20010213	US 9765613	P	19971118	200120 B
			US 9765627	P	19971118	
			US 98193502	A	19981117	

Priority Applications (No Type Date): US 98193502 A 19981117; US 9765613 P 19971118; US 9765627 P 19971118

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6187994	B1	20	C12N-005/04		Provisional application US 9765613
					Provisional application US 9765627

Abstract (Basic): US 6187994 B1

NOVELTY - Directly selecting transformed plant cells comprises employing novel transfer cassettes and novel minimal recombination sites in a gene targeting system, which facilitates directional targeting of desired gene and nucleotide sequences into corresponding recombination sites previously introduced into the target plant genome.

DETAILED DESCRIPTION - Directly selecting transformed plant cells comprises:

(a) transforming the plant cell with a transfer cassette, which comprises a first recombination site, a nucleotide sequence encoding a selectable marker gene not operably linked to a promoter, and a second recombination site, where the first and second sites are non-identical;

(b) the plant genome comprises at least one expression cassette, which comprises a promoter operably linked to a target site comprising a first non-identical recombination site a gene coding region and a second non-identical recombination site, where the first and second non-identical recombination site correspond to the flanking sites of the transfer cassette;

(c) providing a recombinase that recognizes and implements a recombination event between the first recombination site in the transfer cassette and the first recombination site in the target site, and a second recombination event between the second recombination site in the transfer cassette and the second recombination site in the target site; and

(d) growing the plant cells on the appropriate selective agent to recover cells, which have **successfully** undergone **targeted** integration of the transfer cassette at the target site leading to activation of expression of the selectable marker.

An INDEPENDENT CLAIM is also included for minimizing or eliminating expression resulting from random integration of DNA sequences into the genome of a plant cell comprising:

(a) stably introducing into the genome of the cell at least one expression cassette comprising a transcriptional promoter, an ATG translational start sequence and a target site where;

(i) the site comprises a first recombination site and a second recombination site, where the first and second recombination sites are non-identical; and

(ii) the promoter is operably linked to the translational start sequences;

(b) introducing into the cell a transfer cassette comprising the nucleotide and two non-identical recombination sites where;

(i) the translational start sequences of the nucleotide sequence has been replaced with a recombination site corresponding to the first recombination site of the target site; and

(ii) recombination with the target site results in the nucleotide sequence being operably linked to the ATG translational start site; and

(c) providing a recombinase that implements recombination at the recombination sites.

USE - For targeting the integration of nucleotide sequences of interest to a specific chromosomal site, finding optimal integration sites in a plant genome, comparing promoter activity in transformed

plants, engineering chromosomal rearrangements, or other genetic manipulation of plants.

pp; 20 DwgNo 0/2

Title Terms: SELECT; TRANSFORM; PLANT; CELL; USEFUL; GENETIC; MODIFIED; ENGINEERING; CHROMOSOME; REARRANGE; PLANT; COMPRISE; EMPLOY; NOVEL; TRANSFER; CASSETTE; RECOMBINATION; SITE; GENE; SYSTEM

Derwent Class: C06; D16; P13

International Patent Class (Main): C12N-005/04

International Patent Class (Additional): A01H-005/00; C12N-015/82; C12N-015/87; C12N-015/90

File Segment: CPI; EngPI

7/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013178460

WPI Acc No: 2000-350333/200030

XRAM Acc No: C00-106500

**Process for removing impurities from a crude natural product extract by absorption e.g. removing pesticides and herbicides from ginsenosides**

Patent Assignee: HAUSER INC (HAUS-N)

Inventor: BAILEY D T; DAUGHENBAUGH R J; GAMBLE W R; GERTENBACH D D

Number of Countries: 020 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023090	A1	20000427	WO 99US24515	A	19991020	200030 B
US 6132726	A	20001017	US 98176348	A	19981021	200054
EP 1123107	A1	20010816	EP 99956616	A	19991020	200147
			WO 99US24515	A	19991020	

Priority Applications (No Type Date): US 98176348 A 19981021

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200023090	A1	E	26	A61K-035/78	
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Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

US 6132726	A			A61K-035/78	
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EP 1123107	A1	E		A61K-035/78	Based on patent WO 200023090
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Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Abstract (Basic): WO 200023090 A1

NOVELTY - Process for removing impurities from a crude natural **product extract** (CNPE) while retaining the natural chemical profile of the crude extract (CE) comprises:

(i) contacting CNPE with an absorbent that selectively absorbs the impurities; and

(ii) removing the extract from the absorbent

USE - For removing impurities from a crude natural **product extract** especially for removing pesticides and herbicides from ginsenosides. Method can also be used in the recovery of **vegetable** oils, aromatic and odorous substances, drugs and spice extracts.

ADVANTAGE - Process can be used on a commercial scale for a wide range of starting materials and removes impurities while retaining the natural chemical profile of the crude extract. Process creates a higher degree of separation between target compounds and impurities and allows a higher **percentage** of the **target** compounds to be collected.

pp; 26 DwgNo 0/3

Title Terms: PROCESS; REMOVE; IMPURE; CRUDE; NATURAL; PRODUCT; EXTRACT; ABSORB; REMOVE; PEST; HERBICIDE

Derwent Class: A96; B04

International Patent Class (Main): A61K-035/78

File Segment: CPI

7/5/8 (Item 8 from file: 350)



DIALOG(R) File 350:Derwent WPIX  
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012541363

WPI Acc No: 1999-347469/199929

Related WPI Acc No: 1999-347479; 1999-347487; 1999-347488; 2001-202103;  
2001-450495; 2002-121161

XRAM Acc No: C99-102255

**Directional targeting of desired genes into non-identical recombination sites in plants**

Patent Assignee: PIONEER HI-BRED INT INC (PION-N)

Inventor: BASZCZYNSKI C L; BOWEN B A; PETERSON D J; TAGLIANI L A;

GORDON-KAMM W J; GUAN X; LYZNIK L A; RAO A G; BASZCZYNSKI C; BOWEN B

Number of Countries: 084 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9925821	A1	19990527	WO 98US24610	A	19981117	199929 B
ZA 9810528	A	19990728	ZA 9810528	A	19981118	199935
AU 9914629	A	19990607	AU 9914629	A	19981117	199943
EP 1034262	A1	20000913	EP 98958629	A	19981117	200046
			WO 98US24610	A	19981117	
MX 2000004745	A1	20001101	MX 20004745	A	20000515	200163

Priority Applications (No Type Date): US 9765627 P 19971118; US 9765613 P 19971118; US 9899435 P 19980908

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9925821	A1	E	60	C12N-015/11	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

ZA 9810528	A		57	C12N-000/00	
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AU 9914629	A				Based on patent WO 9925821
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EP 1034262	A1	E		C12N-015/11	Based on patent WO 9925821
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Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

MX 2000004745	A1			A01H-005/00	
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Abstract (Basic): WO 9925821 A1

NOVELTY - A method for the directional targeting of desired genes into non-identical recombination sites previously introduced into the target organism's genome, is new.

DETAILED DESCRIPTION - The method for targeting the insertion of nucleotide sequences of interest to a specific chromosomal site within a plant genome comprises:

(a) transforming the plant with a transfer cassette that comprises a nucleotide sequence of interest flanked by non-identical recombination sites;

(b) where the plant genome comprises a target site flanked by non-identical recombination sites which correspond to the flanking sites of the transfer cassette; and

(c) providing a recombinase that recognizes and implements recombination at the non-identical recombination sites.

INDEPENDENT CLAIMS are also included for the following:

(1) a transformed plant comprising within its genome a target site comprising at least two non-identical recombination sites;

(2) seed of the plant of (1);

(3) a method to locate preferred integration sites within a plant genome;

(4) a method to assess promoter activity in a plant cell;

(5) a method to minimize or eliminate expression resulting from random integration of DNA sequences;

(6) a method to directly select transformed plant cells;

(7) a DNA construct comprising an intron, a gene coding region, a terminator region and one or more non-identical recombination sites,

where one non-identical recombination site is contained within the intron;

(8) a method to reduce the complexity of integration of transgenes into an organism;

(9) a method to combine multiple transfer cassettes at one location in a genome of an organism; and

(10) a method to remove a nucleotide sequence introduced into the genome of an organism as part of a transfer cassette.

USE - The methods are used in targeting the integration of nucleotide sequences of interest to a specific chromosomal site, finding optimal integration sites in a plant genome, comparing promoter activity in transformed plants, engineering chromosomal rearrangements and other genetic manipulation of plants. The methods allow integration of two or more genes targeted to the same genomic location, called gene stacking. The stacked genes can be maintained and managed as a closely linked pair of traits in breeding programs. Plants amenable to transformation are monocot's, such as maize, or dicots, such as canola, *Brassica*, **soybean**, sunflower and cotton.

ADVANTAGE - The methods use novel recombination sites in a gene targeting system which facilitates directional targeting of desired genes and nucleotide sequences into corresponding recombination sites previously introduced into the target plant genome.

pp; 60 DwgNo 0/2

Title Terms: DIRECTION; GENE; NON; IDENTICAL; RECOMBINATION; SITE; PLANT

Derwent Class: C06; D16; P13

International Patent Class (Main): A01H-005/00; C12N-000/00; C12N-015/11

International Patent Class (Additional): C12N-015/63; C12N-015/90

File Segment: CPI; EngPI

7/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012531140 \*\*Image available\*\*

WPI Acc No: 1999-337246/199928

XRAM Acc No: C99-099092

**Agricultural spray adjuvant for formulating e.g. pesticides, comprises non-ethoxylated or propoxylated alkanolamide surfactant**

Patent Assignee: HELENA CHEM CO (HELE-N)

Inventor: ROBERTS J R; VOLGAS G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5906961	A	19990525	US 97865091	A	19970529	199928 B

Priority Applications (No Type Date): US 97865091 A 19970529

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5906961	A	5	A01N-025/02	

Abstract (Basic): US 5906961 A

NOVELTY - New agricultural spray adjuvants comprise a non-ethoxylated or propoxylated alkanolamide surfactant.

DETAILED DESCRIPTION - Agricultural spray adjuvant comprises a non-ethoxylated or propoxylated alkanolamide surfactant of formula (I), provided that:

(a) the adjuvant does not contain a spray oil mixed with a buffering agent that reduces the pH to at most 7; or

(b) the adjuvant does not contain a spray oil mixed without a buffering agent provided that the pH of the adjuvant is at most 7.

R1=1-40C hydrocarbon;

R2=H or (C)<sub>x</sub>(H)<sub>2x</sub>;

x=1-40;

R3=(C)<sub>x'</sub>(H)<sub>2x'</sub>; and

x'=1 or 4-40.

An INDEPENDENT CLAIM is provided for the preparation of an agricultural spray adjuvant by mixing at least one fatty acid or its

ester with (I) to produce a spray adjuvant having a pH of at least 7.

USE - The compositions are spreader stickers which are useful in formulating agricultural sprays.

ADVANTAGE - The adjuvant includes an effective sticker in combination with an effective spreader in a single, homogeneous phase. Formulations made with the adjuvant do not leave residues in spray tanks so clean-out problems are avoided. The alkanolamide spreader stickers have not caused any mixing problems with dry pesticide tank mixes. Spreading of agrochemical sprays is enhanced and the tendency for dried deposits to be washed off by environmental factors is reduced.

pp; 5 DwgNo 0/0

Title Terms: AGRICULTURE; SPRAY; ADJUVANT; FORMULATION; PEST; COMPRISE; NON ; ETHOXYLATION; PROPOXYLATED; SURFACTANT

Derwent Class: A23; A26; A97; C03

International Patent Class (Main): A01N-025/02

International Patent Class (Additional): A01N-025/30; B01F-017/22; C05G-005/00

File Segment: CPI

7/5/10 (Item 10 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011883499 \*\*Image available\*\*

WPI Acc No: 1998-300409/199827

XRPX Acc No: N98-235115

**Conveyor for spherical products such as melons - comprises first conveyor with loading zone and parallel rollers mounted on spindles carried by endless drive, with second endless belt conveyor extending from first conveyor and comprising transfer zone**

Patent Assignee: MATERIEL ARBORICULTURE FRUITIERE (MATE-N); MAF MATERIEL ARBORICULTURE FRUITIERE (MAFM-N)

Inventor: BLANC P

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2755956	A1	19980522	FR 9614431	A	19961121	199827 B
ES 2148052	A1	20001001	ES 972424	A	19971120	200052
ES 2148052	B1	20010416	ES 972424	A	19971120	200132
IT 1296461	B	19990625	IT 97MI2568	A	19971119	200161

Priority Applications (No Type Date): FR 9614431 A 19961121

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2755956	A1		30	B65G-037/00	
ES 2148052	A1			B07C-005/18	
ES 2148052	B1			B07C-005/18	
IT 1296461	B			A01F-000/00	

Abstract (Basic): FR 2755956 A

The conveyor comprises a first conveyor provided with a loading zone (1) and having a series of facing parallel rollers (11a,11b). The rollers are mounted on transverses spindles carried by an endless drive (3-7,10) which displaces at the same speed as the rollers. The distance between the spindles of two pairs of consecutive rollers define a central housing for a product.

A second conveyor has an endless belt of smaller width than the space separating the series of rollers. This belt has a drum drive (21-29). The second conveyor extends over a greater length as an extension of the first coaxial conveyor. It has an initial transfer zone where the transporting belt (17) is led to run between the rollers of the first conveyor so as to substitute for the rollers during their retraction and support the **products**. The transporter belt of the **second** conveyor has transverse **projecting** ribs delimiting a **succession** of equi-distant spaces.

ADVANTAGE - The conveyor system enables transfer of large and heavy

' **fruits** without bruising and damage. Is robust and simple in design.

Dwg.1/10

Title Terms: CONVEYOR; SPHERE; PRODUCT; MELON; COMPRISE; FIRST; CONVEYOR;  
LOAD; ZONE; PARALLEL; ROLL; MOUNT; SPINDLE; CARRY; ENDLESS; DRIVE; SECOND  
; ENDLESS; BELT; CONVEYOR; EXTEND; FIRST; CONVEYOR; COMPRISE; TRANSFER;  
ZONE

Derwent Class: P12; P43; Q35

International Patent Class (Main): A01F-000/00; B07C-005/18; B65G-037/00

International Patent Class (Additional): B07C-005/16; B65G-047/22;

B65G-049/05

File Segment: EngPI

7/5/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007705366 \*\*Image available\*\*

WPI Acc No: 1988-339298/198848

Related WPI Acc No: 1994-017809

XRPX Acc No: N88-257280

**Prismatic or polyhedral capacitor with low parasitic inductance - has  
current flowing in opposite directions through adjacent electrode plates  
which have differently-oriented exposed tabs**

Patent Assignee: INT BUSINESS MACHINES CORP (IBM ); IBM CORP (IBM )

Inventor: HORSTMANN R E; OBERSCHMIDT J M; OIBERSCHMI J M

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 292692	A	19881130	EP 88106202	A	19880419	198848 B
JP 63307715	A	19881215	JP 8864762	A	19880319	198905
US 4814940	A	19890321	US 8755216	A	19870528	198914
EP 292692	B1	19931118	EP 88106202	A	19880419	199346
DE 3885651	G	19931223	DE 3885651	A	19880419	199401
			EP 88106202	A	19880419	

Priority Applications (No Type Date): US 8755216 A 19870528

Cited Patents: A3...8914; FR 2576139; No-SR.Pub; US 3117365; US 3740624

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 292692	A	E	8		
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Designated States (Regional): DE FR GB

US 4814940	A		8		
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EP 292692	B1	E	10	H01G-004/30	
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Designated States (Regional): DE FR GB

DE 3885651	G			H01G-004/30	Based on patent EP 292692
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Abstract (Basic): EP 292692 A

Each internal capacitor plate (10) formed pref. by screen printing through an appropriately-shaped mask on to a sheet (12) of pref. ceramic dielectric material is provided with a tab (16) projecting diagonally towards one **corner** of the plate, with two exposed edges (18,20). A **corner** of the plate adjacent to the tab (16) is cut back at a diagonal edge (22), leaving a relatively large triangular area (24) of the dielectric sheet (12) exposed.

Successive plates (10) in a stack have their tabs (16) exposed at different **corners** in a sequence which is repeated at intervals of four sheets, so that magnetic **fields** tend to cancel one **another**.

USE/ADVANTAGE - Esp. for decoupling in large scale integrated circuit packaging modules. Parasitic inductance is reduced materially by electrode plate configuration.

1/6

Title Terms: PRISM; POLYHEDRAL; CAPACITOR; LOW; PARASITIC; INDUCTANCE;  
CURRENT; FLOW; OPPOSED; DIRECTION; THROUGH; ADJACENT; ELECTRODE; PLATE;  
ORIENT; EXPOSE; TAB

Index Terms/Additional Words: DECOUPLE

Derwent Class: U11; V01

International Patent Class (Main): H01G-004/30

10/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06665172 \*\*Image available\*\*  
FINANCIAL PRODUCT INFORMATION PROCESSOR, FINANCIAL PRODUCT INFORMATION  
PROCESSING METHOD AND INFORMATION RECORDING MEDIUM

PUB. NO.: 2000-250996 [JP 2000250996 A]  
PUBLISHED: September 14, 2000 (20000914)  
INVENTOR(s): OYAMA MITSURU  
APPLICANT(s): TOKYO SOGO KENKYUSHO KK  
APPL. NO.: 11-275739 [JP 99275739]  
FILED: September 29, 1999 (19990929)  
PRIORITY: 10-377572 [JP 98377572], JP (Japan), December 29, 1998  
(19981229)  
INTL CLASS: G06F-017/60 ; G06F-019/00

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a method for deciding period for selection and repurchase of a financial product the product of which in specific period in the future desired by a customer is predicted to be the maximum.

SOLUTION: This device 1 is provided with a price fluctuation surge calculating and processing part 12 to acquire financial product information including price fluctuation surge of the present financial product and owned by the customer and other financial products in the past and to predict price fluctuation in the future based on the financial product information by receiving customer information including **identification** information of the customer and desired period for cashing in the financial product and to predict the price fluctuation in the future based on the financial product information, a **profit range calculation** processing part 17 to judge a profit range to be obtained by buying and selling of the present financial product and other financial products, period for selling and buying when the profit range becomes the maximum based on a prediction result of the price motion surge calculation processing part 12 in period including inspection object period from specified period to the desired period for cashing in and a repurchase period deciding part 16 to decide whether the present financial **product** is repurchased to **another** financial **product** or not based on a result of the **profit range calculated** processing part 17.

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10/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06074480 \*\*Image available\*\*  
COMPUTER TYPESETTING METHOD FOR CHARACTER ORIGINAL

PUB. NO.: 11-015991 [JP 11015991 A]  
PUBLISHED: January 22, 1999 (19990122)  
INVENTOR(s): HARUMOTO MASAHIRO  
FUJIMORI YOSHINARI  
MINAGAWA SHIGENORI  
APPLICANT(s): KYODO PRINTING CO LTD  
APPL. NO.: 09-181713 [JP 97181713]  
FILED: June 23, 1997 (19970623)  
INTL CLASS: G06T-011/60; G06F-017/21

#### ABSTRACT

PROBLEM TO BE SOLVED: To reduce a process and time and also to prevent an error from occurring by making a computer data processing means that is **different** from a computer **typesetting** processing part have the font pattern of an external character as image data.

SOLUTION: A document which mainly consists of characters is inputted by an inputting part of a computer type-setting means 10 (S101). Allocation instruction information about the document is also inputted by the inputting part (S102). A typesetting processing part performs computer typesetting processing based on the inputted document data and **allocation** instruction and **calculates** the coordinate of each character on a page (S103). Next, a result of typesetting processing is transferred to a computer 20. The computer 20 **identifies** a code for an external character from the document and calculates a coordinate on a page which is given through typesetting processing to the code. A block that corresponds to an instructed character size is reserved for the coordinate. Image data is inserted into the block that is previously reserved (S104). Further, a code for an external character is eliminated from document data.

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10/5/3 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014327381 \*\*Image available\*\*  
WPI Acc No: 2002-148084/200219  
XRPX Acc No: N02-112217

**Internet-based farms selecting apparatus** determines **offers to be made to farms for growing specified crop, based on estimation of profits to be earned by farms for growing other crops**

Patent Assignee: RENESSEN LLC (RENE-N)

Inventor: BARCLAY R A; BARNETT B H; HAY N; SCHLACHTENHAUFEN J J; ULRICH J F

Number of Countries: 095 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200203307	A2	20020110	WO 2001US20294	A	20010626	200219 B

Priority Applications (No Type Date): US 2000626576 A 20000727; US 2000215982 P 20000705

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200203307	A2	E	74	G06F-019/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Abstract (Basic): WO 200203307 A2

NOVELTY - A competition **analyzer** **estimates profits** to be earned by **farms** for growing a **crop** **different** from the specified **crop**. An offer developer **determines** offers to be made to the farms for growing the specified crop, based on estimation result. A farm selector selects farms to receive the offer for growing the specified crop.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for farm selection method.

USE - For selecting farms for growing specified crop through Internet.

ADVANTAGE - Efficiently **determines** acreage which will be good choice for growing specified crops and efficiently **determines** offers which will be sufficiently attractive to farmers to persuade them to grow the specified crop rather than something else.

DESCRIPTION OF DRAWING(S) - The figure shows a crop planning apparatus.

pp; 74 DwgNo 1/15

Terms: BASED; FARM; SELECT; APPARATUS; **DETERMINE** ; OFFER; MADE; FARM ; SPECIFIED; CROP; BASED; ESTIMATE; PROFIT; FARM; GROW; CROP

Class: P11; P12; T01

International Patent Class (Main): G06F-019/00

File Segment: EPI; EngPI

10/5/4 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014244001 \*\*Image available\*\*

WPI Acc No: 2002-064701/200209

XRPX Acc No: N02-048097

**Content of contract determination used in property providing industry, involves producing plan about divided property per period both for property person and property sponsor**

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001306960	A	20011102	JP 2000126177	A	20000426	200209 B

Priority Applications (No Type Date): JP 2000126177 A 20000426

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 2001306960 A 8 G06F-017/60

Abstract (Basic): JP 2001306960 A

NOVELTY - The method involves dividing a property depending on the **profit** scale of the industry. A **plan** about the divided property is produced both for property person and property sponsor. The content of contract is defined based on the plan when the plan is recognized and confirmed by one of the party. The **production** of **new** plan continues until the plan is confirmed and recognized.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a content of contract **determination** system.

USE - For **determining** content of contract in property providing industry.

ADVANTAGE - Enables to analyze the content of contract to ensure profit both for the operation person and property sponsor and avoid loss.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of components of an operation terminal and bender terminal.

pp; 8 DwgNo 2/5

Title Terms: CONTENT; CONTRACT; **DETERMINE** ; PROPERTIES; INDUSTRIAL; PRODUCE; PLAN; DIVIDE; PROPERTIES; PER; PERIOD; PROPERTIES; PERSON; PROPERTIES

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

10/5/5 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014132118 \*\*Image available\*\*

WPI Acc No: 2001-616329/200171

XRPX Acc No: N01-459748

**Price optimization method for computerized market place, involves selecting unique pair of buyers and sellers having maximum utility and calculating optimal allocation of total utility**

Patent Assignee: I2 TECHNOLOGIES INC (ITWO-N); SCHMIDT C (SCHM-I)

Inventor: SCHMIDT C; SCHMIDT C W

Number of Countries: 094 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200169494	A1	20010920	WO 2001US7847	A	20010312	200171 B
US 20010047323	A1	20011129	US 2000188974	A	20000313	200202
			US 2001820370	A	20010311	
AU 200145630	A	20010924	AU 200145630	A	20010312	200208

Priority Applications (No Type Date): US 2001820370 A 20010311; US  
2000188974 P 20000313

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200169494 A1 E 30 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20010047323 A1 G06F-017/60 Provisional application US 2000188974

AU 200145630 A G06F-017/60 Based on patent WO 200169494

Abstract (Basic): WO 200169494 A1

NOVELTY - A unique pair of buyers and sellers having maximum total utility are selected. The optimal **allocations** of the total utility are **calculated** for each buyer and seller, stably, such that transaction price for allocating the utility between selected seller and buyer is **determined**.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for buyer and seller matching system.

USE - For optimizing price in computerized market place.

ADVANTAGE - The linear programming solver applied to the constraints related to buyers and sellers provides optimal matching and pairings, thereby **differentiating** between **different products** available in single market place. Allows both buyers and sellers to include non-price related factors in the market by adjusting their reserve prices for preferred pairings.

DESCRIPTION OF DRAWING(S) - The figure shows the auction.

pp; 30 DwgNo 1/16

Title Terms: PRICE; METHOD; MARKET; PLACE; SELECT; UNIQUE; PAIR; BUY;

MAXIMUM; UTILISE; CALCULATE; OPTIMUM; ALLOCATE; TOTAL; UTILISE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

10/5/6 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013956945 \*\*Image available\*\*

WPI Acc No: 2001-441159/200147

XRPX Acc No: N01-326394

**Interface for client located on clients and servers network for selecting desired content by accessing database on remote computer has second operable link that returns target navigation address from server database**

Patent Assignee: CLICKGUIDE INC (CLIC-N)

Inventor: BANNEN M

Number of Countries: 094 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200122245	A1	20010329	WO 2000US25817	A	20000920	200147 B
AU 200075964	A	20010424	AU 200075964	A	20000920	200147

Priority Applications (No Type Date): US 99154761 P 19990920

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200122245 A1 E 105 G06F-015/16

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR



Abstract (Basic): WO 200122245 A1

NOVELTY - A first operable link is provided to a browser on a client and a second operable link to the remote computer database. The second link **returns** a **target** navigation address from the server database when the user selects the at least one actuator and the client browser is redirected to the returned target navigation address via the first operable link. A user may navigate via the context-based **identifier** on the at least one actuator of the interface.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:

(a) a system for managing context based navigation on distributed network servers and clients

(b) a method for managing context based navigation on distributed network servers and clients

(c) a system for distributor specific implementation of a navigation interface on a distributed network of servers and clients

(d) a method for distributing customized implementation of a navigation interface on a distributed network of servers and clients

USE - In a system for navigating a computer network using a software program for working with a desktop application to serve as a ready navigational tool for user defined, or provider defined, indexed subject matter using real-language substitutes for complicated computer, TCP/IP or domain name addresses.

ADVANTAGE - Provides quick and efficient access to pre-selected service providers carrying **different types** of set content. This invention also relates to. Dynamically updates links to the information sources, eliminating the problems of expired or moved links. Provides the user with flexibility to customize the interface to match the user's own specific preferences. The interface has the flexibility to adapt as a navigation tool to operate in additional environments such as the corporate network, or the user's own computer.

DESCRIPTION OF DRAWING(S) - The drawing shows a process by which the online customization feature can be performed enabling the user to select, built and execute the installation of a navigation tool.

pp; 105 DwgNo 9/30

Title Terms: INTERFACE; CLIENT; LOCATE; CLIENT; SERVE; NETWORK; SELECT; CONTENT; ACCESS; DATABASE; REMOTE; COMPUTER; SECOND; OPERATE; LINK; RETURN; TARGET; NAVIGATION; ADDRESS; SERVE; DATABASE

Derwent Class: T01

International Patent Class (Main): G06F-015/16

International Patent Class (Additional): G06F-015/167 ; G06F-015/173 ; G06F-017/60

File Segment: EPI

10/5/7 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013904161 \*\*Image available\*\*  
WPI Acc No: 2001-388374/200141  
XRPX Acc No: N01-285507

**Net parasitic impedance parameter extraction program for CAD system  
designates net when estimated net resistance or capacitance satisfies  
certain conditions and calculates chip level**

Patent Assignee: LSI LOGIC CORP (LSIL-N)

Inventor: LAUBHAN R A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6182269	B1	20010130	US 97907183	A	19970806	200141 B

Priority Applications (No Type Date): US 97907183 A 19970806

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6182269	B1	12	G06F-017/50	

Abstract (Basic): US 6182269 B1

NOVELTY - The net for parasitic extraction is designated when the estimated net resistance (313) is greater than the product of output resistance and the first threshold resistance **percentage** (324) or **estimated** net capacitance (324) is greater than product of gate capacitance and the first threshold capacitance percentage (342). Based on designation, chip level delay of the driver cell is calculated.

DETAILED DESCRIPTION - Net length **determining** module (304) receives net (300) as input from lay-out database (302) and generated port-to-port net length (306) and total net length (307) as output. Net resistance estimating module (306) estimates net resistance from port-to-port net length and resistance per unit length (310) from technology database (312). When driving cell from a net list and large signal output impedance of driving cell from cell library are input to output resistance **determining** module, an output resistance equal to large signal output impedance of driving cell is generated. A module for **determining** whether to designate the net for detailed parasitic extraction, designates the net when the estimated net resistance and capacitance is greater than product of output resistance and first threshold resistance percentage and **product** of gate capacitance and **second** threshold capacitance percentage respectively. The output of parasitic result is generated when the estimated net resistance is greater than **product** of output resistance and **second** threshold resistance **percentage** (325) or **estimated** net capacitance is greater than **product** of gate capacitance and **second** threshold capacitance percentage (343) otherwise the parasitic output results are equal to zero. The net capacitance is estimated from total net length and capacitance per unit length (332). Based on parasitic results, the chip level delay of the driver call is calculated.

USE - In computer aided design systems to design microelectronic devices.

ADVANTAGE - Selects the net which requires a detailed parasitic RC extraction with acceptable accuracy and ignores the net for which parasitic RC effect are negligible. Accurately extracts parasitic resistance and capacitance from a net and based on that logic delay through a logic cell is **determined**.

DESCRIPTION OF DRAWING(S) - The figure shows an architectural diagram of parasitic resistance and capacitance extracting device.

Net (300)

Layout database (302)

Net length value **determining** module (304)

Part to port net length (306)

Total net length (307)

Estimated net resistance **determining** module (308)

Resistance per unit length (310)

Estimated net capacitance **determining** module (311)

Technology database (312)

Estimated net resistance (313)

First threshold resistance percentage (324)

Second threshold resistance percentage (325)

Capacitance per unit length (332)

First threshold capacitance percentage (342)

Second threshold capacitance percentage (343)

pp; 12 DwgNo 3A/3

Title Terms: NET; PARASITIC; IMPEDANCE; PARAMETER; EXTRACT; PROGRAM; CAD; SYSTEM; DESIGNATED; NET; ESTIMATE; NET; RESISTANCE; CAPACITANCE; SATISFY; CONDITION; CALCULATE; CHIP; LEVEL

Derwent Class: S01; T01

International Patent Class (Main): G06F-017/50

File Segment: EPI

10/5/8 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013514600 \*\*Image available\*\*

WPI Acc No: 2000-686546/200067

XRPX Acc No: N00-507597

**Prediction of reaction to target concept, involves rating target concept using selected archetype and predicting subjective reaction to target concept by input of objective rating into developed mathematical model**

Patent Assignee: SAUNDERS INT RICHARD (SAUN-N)

Inventor: HALL D B; STAMP J A; STORMANN C R

Number of Countries: 089 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200045317	A2	20000803	WO 2000US2195	A	20000127	200067 B
AU 200033526	A	20000818	AU 200033526	A	20000127	200067
KR 2001101736	A	20011114	KR 2001709436	A	20010726	200230

Priority Applications (No Type Date): US 99117413 P 19990127

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200045317	A2	E	37	G06F-017/60	
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Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200033526	A	G06F-017/60	Based on patent WO 200045317
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KR 2001101736	A	G06F-017/60	
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Abstract (Basic): WO 200045317 A2

NOVELTY - A database of customer responses to questions on target concepts is provided. The target concepts are rated based on certain selected archetype. A mathematical model defining relation between customer's response and archetype is developed. Objective ratings of concept is generated based on archetype. Subjective reaction to target concept is predicted by input of its objective rating into developed model.

DETAILED DESCRIPTION - Subjective reaction elicits response related to consumer likeability, consumer interest, consumer purchase potential, consumer perception, consumer confidence, consumer recall, consumer expectation and voter response to political candidates. The mathematical model is generated using standard univariate, bivariate, and multivariate statistical methods, neural network, fuzzy logic, genetic algorithm, cross tabulation, t-test, ANOVA, correlation matrix, regression, factor analysis and structural equation modeling. Prediction of subjective reaction is followed by judging relative potential **success** of **target** concept and developing and applying action criteria, based on archetype and relative potential **success** of **target** concept. Further guidance is provided to developers of target concept on how to enhance the target concept.

USE - For predicting individual or group reaction to concepts such as development of **new product**, political management, education, legal system, retail grocery industry or corporation etc.

ADVANTAGE - The data collection and analysis is performed with increased speed. New ideas are evaluated and forecasts are created within minutes. Additional intelligence which can be derived from a set of collected customer data allows managers to **identify** and validate business judgment as well as to **identify** emotional, motivational and aspirational archetype drivers. Significant cost savings is realized on removing customers component from listing process. Provides increased security in the development of **new products** and services by evaluating proprietary concepts without the necessity of exposing them to public.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram depicting sequence of steps in accordance with the method of simulating human response to stimulus.

pp; 37 DwgNo 1/1

Title Terms: PREDICT; REACT; TARGET; CONCEPT; RATING; TARGET; CONCEPT; SELECT; PREDICT; SUBJECT; REACT; TARGET; CONCEPT; INPUT; OBJECTIVE; RATING; DEVELOP; MATHEMATICAL; MODEL

Derwent Class: T01  
International Patent Class (Main): G06F-017/60  
File Segment: EPI

10/5/9 (Item 7 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013514566 \*\*Image available\*\*  
WPI Acc No: 2000-686512/200067  
XRPX Acc No: N00-507563

Advertising campaign evaluation method involves defining certain  
qualification levels representing different levels of interest in  
product or service, for web server visited by customers

Patent Assignee: WEBTRENDS CORP (WEBT-N)  
Inventor: BOYD W G; MONTGOMERY D S; SHAPIRA E  
Number of Countries: 090 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200045264	A1	20000803	WO 2000US1820	A	20000125	200067 B
AU 200029728	A	20000818	AU 200029728	A	20000125	200067
EP 1151379	A1	20011107	EP 2000908370	A	20000125	200168
			WO 2000US1820	A	20000125	

Priority Applications (No Type Date): US 99240208 A 19990129

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200045264	A1	E	39	G06F-011/00	
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Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200029728	A			G06F-011/00	Based on patent WO 200045264
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EP 1151379	A1	E		G06F-011/00	Based on patent WO 200045264
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Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
LU MC NL PT SE

Abstract (Basic): WO 200045264 A1

NOVELTY - Qualification level representing **different** levels of  
interest in **product** or service offered, is defined for evaluation web  
server. Customer visiting the web server is **identified** through link  
located on another web server. Each visitor is then associated with the  
qualification level to **determine** the effect of advertisement  
campaign.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for  
network traffic tool used for evaluation of advertising campaign.

USE - For sale of products or offering service over internet, for  
**determining** value of visitors to web site.

ADVANTAGE - Enables analyzing the effectiveness of advertising  
campaign by using **determined** visitor quality, efficiently. Allows  
internet business owner a way to track the value of visitors who visit  
the web site. Allows internet business owner a way to **calculate** the  
**return** on investment for each advertising campaign the business owner  
is currently running.

DESCRIPTION OF DRAWING(S) - The figure shows data structures  
storing qualification profiles and advertisement campaigns.

pp; 39 DwgNo 5/11

Title Terms: ADVERTISE; CAMPAIGN; EVALUATE; METHOD; DEFINE; QUALIFY; LEVEL;  
REPRESENT; LEVEL; INTEREST; PRODUCT; SERVICE; WEB; SERVE; CUSTOMER

Derwent Class: T01

International Patent Class (Main): G06F-011/00

International Patent Class (Additional): G06F-013/00 ; G06F-013/14 ;

G06F-017/60

File Segment: EPI

10/5/10 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012808385 \*\*Image available\*\*  
WPI Acc No: 1999-614615/199953  
XRPX Acc No: N99-453256

Production planning generation system for single line manufacturing of product - has modification unit which moves day of production planning to identified day after day of production planning passes, and corrects identified production planning of day

Patent Assignee: FURUKAWA ELECTRIC CO LTD (FURU )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11267951	A	19991005	JP 9872694	A	19980320	199953 B

Priority Applications (No Type Date): JP 9872694 A 19980320

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11267951	A		10	B23Q-041/08	

Abstract (Basic): JP 11267951 A

NOVELTY - A modification unit (25) moves the day of production planning to an **identified** day after the day of production planning passes, and corrects the **identified** production planning of the day. An **identification** unit (24) performs the **identification** of the day of production planning with which a corrected production planning that fulfills predetermined operation time is searched. DETAILED DESCRIPTION - Another **identification** unit (22) performs the **identification** of the day of planning that exceeds the predetermined operation time of the searched **production** planning. Another modification unit (23) moves the day of production planning that exceeds the predetermined operation time of the searched production planning before the day of production planning passes, and corrects the production planning. A generating unit (21) produces the production planning based on a production planning rule read from a production planning rule file (6). An INDEPENDENT CLAIM is also included for a production planning forming method.

USE - For single line manufacturing of product.

ADVANTAGE - Prevents delay of delivery time since production **planning** performed in **succession** at fixed period for continued manufacture is generated, thus deviation of manufacture load is prevented and appropriate inventory is maintained. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the production planning generation system. (6) Production planning rule file; (21) Generating unit; (22,24) **Identification** unit; (23,25) Modification unit.

Dwg.1/5

Title Terms: PRODUCE; PLAN; GENERATE; SYSTEM; SINGLE; LINE; MANUFACTURE; PRODUCT; MODIFIED; UNIT; MOVE; DAY; PRODUCE; PLAN; **IDENTIFY** ; DAY; AFTER ; DAY; PRODUCE; PLAN; PASS; CORRECT; **IDENTIFY** ; PRODUCE; PLAN; DAY

Derwent Class: P56; T01; T06

International Patent Class (Main): B23Q-041/08

International Patent Class (Additional): G05B-015/02; **G06F-017/60**

File Segment: EPI; EngPI

10/5/11 (Item 9 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012727732 \*\*Image available\*\*  
WPI Acc No: 1999-533845/199945  
XRPX Acc No: N99-396550

Automatic percentage data creation system for controlling cost in public works, construction companies etc - has data entry units for inputting

data of operation diary of fields, management based on current percentage data such that new percentage data is estimated

Patent Assignee: AI CUBE KK (AICU-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11232329	A	19990827	JP 9851460	A	19980217	199945 B

Priority Applications (No Type Date): JP 9851460 A 19980217

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11232329	A		7	G06F-017/60	

Abstract (Basic): JP 11232329 A

NOVELTY - Based on inquiries of different companies, a company percentage data is **chosen** depending on this, budget for working, **field**, management are input such that **new percentage** data is automatically **estimated** and stored in addition to the previous percentage data.

USE - For creating percentage data automatically for controlling cost in public works, construction companies.

ADVANTAGE - Efficient cost control can be achieved due to creation of new percentage data in addition to previous data. Efficient budget estimation can be made during establishment of similar company by referring to the stored data of percentage.

Dwg.1/7

Title Terms: AUTOMATIC; PERCENTAGE; DATA; CREATION; SYSTEM; CONTROL; COST; PUBLIC; WORK; CONSTRUCTION; COMPANY; DATA; ENTER; UNIT; INPUT; DATA; OPERATE; DIARY; FIELD; MANAGEMENT; BASED; CURRENT; PERCENTAGE; DATA; NEW; PERCENTAGE; DATA; ESTIMATE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

10/5/12 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012646629 \*\*Image available\*\*

WPI Acc No: 1999-452734/199938

XRPX Acc No: N99-339047

**Product-warehouse allocation planned -amount calculation system - has allocation planned -amount calculating unit which allocates another production planned amount and calculates daily allocation planned amount so that inventory level of each warehouse may become equal**

Patent Assignee: SEKISUI CHEM IND CO LTD (SEKI )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11189317	A	19990713	JP 97359925	A	19971226	199938 B

Priority Applications (No Type Date): JP 97359925 A 19971226

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11189317	A		6	B65G-001/137	

Abstract (Basic): JP 11189317 A

NOVELTY - An **allocation planned -amount calculating unit (9)** allocates **another production planned amount (2)**, which is obtained by a dividing unit (3), and **calculates a daily allocation planned amount (8)** so that the inventory level (6) of each warehouse obtained by an inventory control unit (7) may become almost equal. DETAILED DESCRIPTION - The dividing unit divides the production schedule total amount (1), ranging over several days, by days and calculates the production planned amount (2). The inventory control unit receives the supplying point (5), the amount of present stock (4) of each warehouse

of the day, and the amount of stock after a supplement. The inventory control unit **determines** in what percent of the inventory level is the amount of present stock.

USE - None given.

ADVANTAGE - **Calculates** every day **allocation planned** amount for each warehouse to prevent inventory breakage when allocating **supplement product**, which is produced for several days, to several warehouses every day. DESCRIPTION OF DRAWING(S) - The figure shows a schematic systematic diagram of the product-warehouse **allocation planned** -amount **calculation** system. (1) Production schedule total amount; (2) Production planned amount; (3) Dividing unit; (4) Amount of present stock; (5) Supplying point; (6) Inventory level; (7) Inventory control unit; (8) Daily **allocation planned** amount; (9) **Allocation planned** -amount **calculating** unit.

Dwg.1/2

Title Terms: PRODUCT; WAREHOUSE; ALLOCATE; PLAN; AMOUNT; CALCULATE; SYSTEM; ALLOCATE; PLAN; AMOUNT; CALCULATE; UNIT; ALLOCATE; PRODUCE; PLAN; AMOUNT; CALCULATE; DAILY; ALLOCATE; PLAN; AMOUNT; SO; INVENTORY; LEVEL; WAREHOUSE; EQUAL

Derwent Class: Q35; T01

International Patent Class (Main): B65G-001/137

International Patent Class (Additional): G06F-019/00

File Segment: EPI; EngPI

10/5/13 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012520953 \*\*Image available\*\*

WPI Acc No: 1999-327059/199927

XRPX Acc No: N99-245322

**A reward program administering method e.g. for businesses**

Patent Assignee: WALKER ASSET MANAGEMENT LP (WALK-N)

Inventor: ALDERUCCI D; JORASCH J A; VAN LUCHENE A S; WALKER J S

Number of Countries: 083 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9923596	A1	19990514	WO 98US22922	A	19981029	199927 B
AU 9912856	A	19990524	AU 9912856	A	19981029	199940
US 6049778	A	20000411	US 97961964	A	19971031	200025
JP 2001522102	W	20011113	WO 98US22922	A	19981029	200204
			JP 2000519386	A	19981029	

Priority Applications (No Type Date): US 97961964 A 19971031

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9923596 A1 E 43 G06F-019/00

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9912856 A Based on patent WO 9923596

US 6049778 A G06F-019/00

JP 2001522102 W 39 G06F-017/60 Based on patent WO 9923596

Abstract (Basic): WO 9923596 A1

NOVELTY - A method for administering a reward program based on a series of registrations, each registration corresponding to a purchaser, comprises **calculating** a measurement of product **success**; **determining** if the measurement is within a predetermined range; selecting from the series of registrations a set of registrations which are early adopter registrations; and providing a reward to each early adopter purchaser if the measurement is within the predetermined range.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a method for administrating a reward program;
- (b) a method for administrating a reward program based on success of at least one of a plurality of products.

USE - For manufacturers, distributors or other sellers.

ADVANTAGE - Provides consumers with an incentive to buy a product earlier than they otherwise might have or buy a product they might not have otherwise bought. Purchasers may be able to recover the typically large cost of purchasing a **new product** by receiving rewards for early purchases of the product. Enables sellers to sell products earlier, and even increase sales of products. Permits a seller to recover the investment costs of **new products** earlier in the **product** life cycle.

DESCRIPTION OF DRAWING(S) - The schematic illustrates a central controller of the apparatus for administering a reward program in accordance with the invention.

apparatus (10)  
central controller (12)  
data input devices (14,16)  
processor (20)  
storage device. (22)  
pp; 43 DwgNo 2/11

Title Terms: REWARD; PROGRAM; ADMINISTER; METHOD; BUSINESS

Derwent Class: T01

International Patent Class (Main): G06F-017/60 ; G06F-019/00

File Segment: EPI

10/5/14 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011923304 \*\*Image available\*\*

WPI Acc No: 1998-340214/199830

XRFX Acc No: N98-266418

**Frame memory control method for moving image decoder - involves reading out existing frame data from frame memory and performing pile printing of various blocks present in it, before storing currently decoded frame data**

Patent Assignee: MITSUBISHI ELECTRIC CORP (MITQ )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10126791	A	19980515	JP 96279365	A	19961022	199830 B

Priority Applications (No Type Date): JP 96279365 A 19961022

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10126791	A		19	H04N-007/32	

Abstract (Basic): JP 10126791 A

The method involves regulating data storage in an inter frame memory which stores both decoded frame data output from a frame memory (58) and current non-decoded frame data corresponding to moving image signal. The stored image data are incoded using motion field **compensation estimation**. A field **identification** unit (105) judges the first or **second field** estimation period. A first counter (114) detects the location of pixels existing in non-decoded frame data, sequentially. A decoding counter (150) computes the locations of pixels present in currently decoded frame data. An address selection unit selects the output address of the first counter or data write-in or data read-out address output by second decoding counter.

A portion of frame data is stored in a buffer (162) with access enable function, after estimated decoding. A read-write controller outputs read-write control signal to frame memory and buffer. A division unit (102) divides the clock signal output by a decoder clock. Then, the processed data output by regeneration unit is forwarded to a display unit (119) based on clock pulse output by a regeneration clock (106). Data corresponding to odd and even lines of frame are output to display unit during first and **second field** periods, sequentially.



. During **second field** period, estimated decoding and storing of frame data into frame memory is performed alternately. The existing frame data is read- out from frame memory and pile printing of various blocks present in the read-out data is performed before storing currently decoded data.

ADVANTAGE - Facilitates decoding and storing frame data with single field period.

Dwg.1/12

Title Terms: FRAME; MEMORY; CONTROL; METHOD; MOVE; IMAGE; DECODE; READ; EXIST; FRAME; DATA; FRAME; MEMORY; PERFORMANCE; PILE; PRINT; VARIOUS; BLOCK; PRESENT; STORAGE; CURRENT; DECODE; FRAME; DATA

Derwent Class: P85; T01; W02

International Patent Class (Main): H04N-007/32

International Patent Class (Additional): G06F-003/153 ; G09G-005/36

File Segment: EPI; EngPI

10/5/15 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011035919 \*\*Image available\*\*

WPI Acc No: 1997-013843/199702

XRPX Acc No: N97-012015

**Tracking system for detecting movement of target from optical image data - includes formation of difference image derived from successive frames, with binary analysis of movement regions and envelopes to determine movement of target**

Patent Assignee: LE GOUZOUGUEC A (LGOU-I); SOC NAT IND AEROSPATIALE (NRDA)

Inventor: LE GOUZOUGUEC A; SCHLOSSERS C

Number of Countries: 017 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 745866	A1	19961204	EP 96400960	A	19960506	199702 B
FR 2734911	A1	19961206	FR 956516	A	19950601	199705
NO 9602236	A	19961202	NO 962236	A	19960531	199706
JP 8327296	A	19961213	JP 96137025	A	19960530	199709
CA 2177300	A	19961202	CA 2177300	A	19960524	199714
IL 118241	A	19980405	IL 118241	A	19960513	199823
US 5883969	A	19990316	US 96653332	A	19960524	199918
NO 309888	B1	20010409	NO 962236	A	19960531	200129

Priority Applications (No Type Date): FR 956516 A 19950601

Cited Patents: 2.Jnl.Ref; DE 2937284; US 3829614; US 4364089

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 745866	A1	F	13	G01S-003/786	
Designated States (Regional): BE CH DE ES GB GR IT LI NL PT SE					
FR 2734911	A1			G01S-003/785	
NO 9602236	A			G06T-007/20	
JP 8327296	A		9	F41G-003/26	
CA 2177300	A	F		G06T-007/00	
IL 118241	A			F41G-007/20	
US 5883969	A			G06K-009/00	
NO 309888	B1			G06T-007/20	Previous Publ. patent NO 9602236

Abstract (Basic): EP 745866 A

The system for detecting the movement of a target includes observation of the target (C) by an optical detector (2). A differential image is **determined** by **analysis** of two **successive** frames of the **field** of view. From the **differential** image, and a binary threshold a binary image is formed. This binary image is broken down into individual regions of movement, and the individual envelopes surrounding these regions of movement are **determined**.

From the individual movement envelopes, a global movement envelope surrounding all these individual movement envelopes is **determined**. Finally from both the individual movement envelopes and the global

movement envelope the movement of the target is **determined** .

ADVANTAGE - System provides rapid real-time analysis of image in order to detect target, such as tracking weapon, to enable its destruction.

Dwg.1/8

Title Terms: TRACK; SYSTEM; DETECT; MOVEMENT; TARGET; OPTICAL; IMAGE; DATA; FORMATION; DIFFER; IMAGE; DERIVATIVE; SUCCESSION; FRAME; BINARY; ANALYSE; MOVEMENT; REGION; ENVELOPE; **DETERMINE** ; MOVEMENT; TARGET

Derwent Class: T01; W06

International Patent Class (Main): F41G-003/26; F41G-007/20; G01S-003/785; G01S-003/786; G06K-009/00; G06T-007/00; G06T-007/20

International Patent Class (Additional): B64G-003/00; F41G-005/08; F41G-011/00; G01B-011/00; G01P-013/00; G01S-011/12; G01S-017/66;

**G06F-019/00**

File Segment: EPI

**10/5/16 (Item 14 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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010961858 \*\*Image available\*\*

WPI Acc No: 1996-458807/199646

Related WPI Acc No: 1995-028617

XRPX Acc No: N97-346386

**Singular value decomposition image coding and decoding appts. - determines singular values and singular vectors of one orthonormal matrix by numerical calculations and then singular values of other matrix using analytical equation**

Patent Assignee: FUJI XEROX CO LTD (XERF )

Inventor: KAMIZAWA K; KIMURA S; KOSHI Y; MINAMI T; NAKAMURA O; YOKOSE T

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6311370	A	19941104	JP 9399819	A	19930426	199646 B
US 5615288	A	19970325	US 94232801	A	19940425	199739

Priority Applications (No Type Date): JP 9399819 A 19930426; JP 93102333 A 19930428

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 6311370	A	15		H04N-001/41	
US 5615288	A	21		G06K-009/36	

Abstract (Basic): JP 6311370 A

The encoder comprises an image division part (11) which divides the input image multiple image domains arranged in matrix form of predetermined size. If the matrix is denoted by 'X' and is transposition form as 'T', then the output 'XTX' is obtained from a calculation part (12).

The second calculation part (13) obtains unique vector which is normalized and has unique value representing the image domain. The calculation takes place at predetermined part of the matrix. The unique vector in the other image domain are calculated by an unique vector calculation part (14). An encoding part (15) performs encoding of the unique value and the unique vector.

ADVANTAGE - Mitigates operation load. Simplifies circuitry composition.

Dwg.1/6

US 5615288 A

The appts. image dividing circuit (11) divides the input image into image blocks each represented by a block matrix of a predetermined size. A XTX calculating device (12) coupled to the dividing circuit, calculates a first matrix product of each block and its transpose. A singular vector/singular value calculating device (13) calculates singular vectors (v1..vn) and singular values of X ( gamma 1.. gamma n) using the Jacobi method.

Eigenvectors/singular vectors of XXT are analytically calculated

. (14) according to  $UT=[Xv1/\gamma, \dots, Xvn/\gamma n]$ . A singular values/singular vectors coding device (15) codes the singular values and singular vectors to output coded data (7) using Huffman or DPCM coding.

USE/ADVANTAGE - Reduced amount of calculation with improved efficiency of coding, reduced number of items to be coded and transmitted.

Dwg.1/10

Title Terms: SINGULAR; VALUE; DECOMPOSE; IMAGE; CODE; DECODE; APPARATUS; DETERMINE ; SINGULAR; VALUE; SINGULAR; VECTOR; ONE; MATRIX; NUMERIC; CALCULATE; SINGULAR; VALUE; MATRIX; ANALYSE; EQUATE

Derwent Class: T01; U21; W02

International Patent Class (Main): G06K-009/36; H04N-001/41

International Patent Class (Additional): G06F-015/66

File Segment: EPI

10/5/17 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010813050 \*\*Image available\*\*

WPI Acc No: 1996-310003/199632

XRPX Acc No: N96-260498

**Delivery scheduling for non-uniform inventory fro e.g. coal train delivery - involves generating fitness functions with adjustable weighting factors, to combine premium or penalty revenue with latency or delay time**

Patent Assignee: ATLANTIC RICHFIELD CO (ATLF )

Inventor: BOWLING C M; FELDMAN D S; MCCORMACK M D

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 9540245	A	19960620	AU 9540245	A	19951206	199632 B
US 5541848	A	19960730	US 94356850	A	19941215	199636
AU 694969	B	19980806	AU 9540245	A	19951206	199843

Priority Applications (No Type Date): US 94356850 A 19941215

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AU 9540245	A		47	G06F-017/60	
US 5541848	A		14	G06F-019/00	
AU 694969	B			G06F-017/60	Previous Publ. patent AU 9540245

Abstract (Basic): AU 9540245 A

The method for scheduling the delivery of a non-uniform inventory involves **identifying** many recipients. Each recipient has a revenue function associated with the first measurement parameter for the product. A first generation of assignment sequences are then randomly generated, each assignment assigning each of the recipients to one of many locations.

A fitness function value for each of the assignment sequences is **determined** by evaluating a fitness function. The fitness function comprising of the sum of the revenue functions for each recipient in the assignment sequence, evaluated for each of the recipients according to the first measurement parameter for the product at the location assigned at the assignment sequence. A succeeding generation of assignment sequences is generated according to a genetic algorithm and fitness functions are repeated. The assignment sequence is **identified** as having the highest fitness function value.

USE/ADVANTAGES - Automated scheduling function and system to replace use of human **estimation**, providing consistent maximisation of **revenue**. Optimises the distribution of non-uniform inventory in efficient manner. Considers functions having infinite gradients. Considers input and effects of inputs of **different types**. Distributions is made according to sequence of varying requirements. Accounts for threshold criteria.

Dwg.5/9

Title Terms: DELIVER; SCHEDULE; NON; UNIFORM; INVENTORY; COAL; TRAIN;  
DELIVER; GENERATE; FIT; FUNCTION; ADJUST; WEIGHT; FACTOR; COMBINATION;  
PREMIUM; PENALTY; REVENUE; LATENT; DELAY; TIME  
Derwent Class: Q35; T01  
International Patent Class (Main): G06F-017/60 ; G06F-019/00  
International Patent Class (Additional): B65G-069/10  
File Segment: EPI; EngPI

10/5/18 (Item 16 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010182319 \*\*Image available\*\*  
WPI Acc No: 1995-083572/199512  
XRPX Acc No: N95-066268

**Manufacturing and resource planning optimisation method for industry -  
employing an objective function where limitations of inventory exist and  
presents data in matrix form for optimisation algorithm**

Patent Assignee: IBM CORP (IBMC ); INT BUSINESS MACHINES CORP (IBMC )

Inventor: DIETRICH B L; WITTROCK R J

Number of Countries: 006 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 639815	A2	19950222	EP 94112631	A	19940812	199512 B
EP 639815	A3	19950927	EP 94112631	A	19940812	199615
TW 276314	A	19960521	TW 94107412	A	19940812	199636
US 5630070	A	19970513	US 93108014	A	19930816	199725
CN 1102720	A	19950517	CN 94109469	A	19940815	199726

Priority Applications (No Type Date): US 93108014 A 19930816

Cited Patents: No-SR.Pub; 1.Jnl.Ref; US 4924386; US 5216593

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 639815	A2	E	49	G06F-017/60	
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Designated States (Regional): DE FR GB

US 5630070	A	30	G06F-017/60
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EP 639815	A3		G06F-017/60
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TW 276314	A		G06F-015/46
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CN 1102720	A		G06G-007/48
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Abstract (Basic): EP 639815 A

A planning method employing an objective function such as the maximisation of income, in a situation where there are limitations on the inventory of raw materials and tools to be employed in the manufacturing process. Data is collected describing elemental steps in the manufacturing process for the production of each end product, as well as the quantity or demand for each end product to be supplied.

The data is presented as a set of linear mathematical relationships in matrix form, to be input to a computer. The computer **determines** the optimum number of each end product in accordance with a linear programming optimization algorithm. The matrix contains bill of materials data and various constraints such as inventory.

ADVANTAGE - Optimal resource **allocation** and production **planning**  
. Low material requirements planning.

Dwg.9/10

Title Terms: MANUFACTURE; RESOURCE; PLAN; OPTIMUM; METHOD; INDUSTRIAL;  
EMPLOY; OBJECTIVE; FUNCTION; LIMIT; INVENTORY; EXIST; PRESENT; DATA;  
MATRIX; FORM; OPTIMUM; ALGORITHM

Derwent Class: T01; U11

International Patent Class (Main): G06F-015/46 ; G06F-017/60 ;  
G06G-007/48

File Segment: EPI

10/5/19 (Item 17 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0101'27366 \*\*Image available\*\*

WPI Acc No: 1995-028617/199504

Related WPI Acc No: 1996-458807

XRPX Acc No: N97-346386

**Singular value decomposition image coding and decoding appts. -**  
determines singular values and singular vectors of one orthonormal  
matrix by numerical calculations and then singular values of other matrix  
using analytical equation

Patent Assignee: FUJI XEROX CO LTD (XERF )

Inventor: KAMIZAWA K; KIMURA S; KOSHI Y; MINAMI T; NAKAMURA O; YOKOSE T

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6315088	A	19941108	JP 93102333	A	19930428	199504 B
US 5615288	A	19970325	US 94232801	A	19940425	199739

Priority Applications (No Type Date): JP 93102333 A 19930428; JP 9399819 A  
19930426

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 6315088	A		7	H04N-001/41	
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US 5615288	A		21	G06K-009/36	
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Abstract (Basic): JP 6315088 A

Dwg.1/4

US 5615288 A

The appts. image dividing circuit (11) divides the input image into  
image blocks each represented by a block matrix of a predetermined  
size. A XTX calculating device (12) coupled to the dividing circuit,  
calculates a first matrix product of each block and its transpose. A  
singular vector/singular value calculating device (13) calculates  
singular vectors ( $v_1 \dots v_n$ ) and singular values of  $X$  ( $\gamma_1 \dots \gamma_n$ )  
using the Jacobi method.

Eigenvectors/singular vectors of  $XX^T$  are analytically calculated  
(14) according to  $U^T = [Xv_1 / \gamma_1, \dots, Xv_n / \gamma_n]$ . A singular  
values/singular vectors coding device (15) codes the singular values  
and singular vectors to output coded data (7) using Huffman or DPCM  
coding.

USE/ADVANTAGE - Reduced amount of calculation with improved  
efficiency of coding, reduced number of items to be coded and  
transmitted.

Dwg.1/10

Title Terms: SINGULAR; VALUE; DECOMPOSE; IMAGE; CODE; DECODE; APPARATUS;

**DETERMINE** ; SINGULAR; VALUE; SINGULAR; VECTOR; ONE; MATRIX; NUMERIC;

CALCULATE; SINGULAR; VALUE; MATRIX; ANALYSE; EQUATE

Derwent Class: T01; U21; W02

International Patent Class (Main): G06K-009/36; H04N-001/41

International Patent Class (Additional): **G06F-015/66**

File Segment: EPI

10/5/20 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009469097

WPI Acc No: 1993-162636/199320

XRAM Acc No: C93-072092

XRPX Acc No: N93-124721

**Prod. process schedule design appts. to simultaneously produce**  
different prods. - having mould memoriser, process allocation part,  
practically using mould member calculating part, allocation changing  
part, etc.

Patent Assignee: SEKISUI CHEM IND CO LTD (SEKI )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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JP 5094447 A 19930416 JP 91253799 A 19911001 199320 B

Priority Applications (No Type Date): JP 91253799 A 19911001

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 5094447 A 15 G06F-015/21

Abstract (Basic): JP 5094447 A

Appts. comprises a memoriser to memorise kinds of moulds attached to each moulding machine and number of moulds for each kind of prods. capable of being used simultaneously; process allocation part to allocate each prod. to one of moulding machines according to the priority order of requirements for prodn. previously **determined**; practically using mould number calculating part to classify moulds to mould prods. allocated to each moulding machine for each kind of prods. and calculate number of moulds used for each kind of prods. for a given period; and allocation changing part to compare number of practically using moulds calculated with number of moulds capable of using memorised in the memoriser and change the allocation when number of practically using moulds exceeds number of moulds capable of using.

USE/ADVANTAGE - Used to simultaneously **produce different** kinds of prods. Time required for designing prodn. processes is reduced

Dwg. 0/0

Title Terms: PRODUCE; PROCESS; SCHEDULE; DESIGN; APPARATUS; SIMULTANEOUS; PRODUCE; PRODUCT; MOULD; PROCESS; ALLOCATE; PART; PRACTICALLY; MOULD; MEMBER; CALCULATE; PART; ALLOCATE; CHANGE; PART

Derwent Class: A32; P56; T01; T06; X25

International Patent Class (Main): G06F-015/21

International Patent Class (Additional): B23Q-041/08; B29C-033/30;

G05B-019/417

File Segment: CPI; EPI; EngPI

10/5/21 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009393943 \*\*Image available\*\*

WPI Acc No: 1993-087410/199311

XRPX Acc No: N93-066870

**Non-destructive test appts. using ultrasonic waves - uses controller with high and low speed computer interfaces to control flow of digital and analog signals over bi-directional bus**

Patent Assignee: KRAUTKRAMER BRANSON INC (KRAU-N); EMERSON ELECTRIC CO (EMEL ); EMERSON ELEC CO (EMEL )

Inventor: CUFFE J M; WEINER A D; CUFFE J W

Number of Countries: 006 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 532448	A2	19930317	EP 92630077	A	19920902	199311 B
CA 2077246	A	19930304	CA 2077246	A	19920831	199320
US 5287291	A	19940215	US 91753816	A	19910903	199407
EP 532448	A3	19930908				199509
CA 2077246	C	19960618	CA 2077246	A	19920831	199636
EP 532448	B1	19970514	EP 92630077	A	19920902	199724
DE 69219706	E	19970619	DE 619706	A	19920902	199730
			EP 92630077	A	19920902	

Priority Applications (No Type Date): US 91753816 A 19910903

Cited Patents: No-SR.Pub; EP 251697; EP 263475; EP 267284; US 4799177; WO 8203919

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 532448 A2 E 10 G01N-029/10

Designated States (Regional): DE FR GB IT

US 5287291 A 9 G06F-015/20

EP 532448 B1 E 12 G01N-029/10

Designated States (Regional): DE FR GB IT

DE 69219706 E G01N-029/10 Based on patent EP 532448

CA 2077246 A G01N-029/04  
CA 2077246 C G01N-029/04

Abstract (Basic): EP 532448 A

The non-destructive test appts. directs ultrasonic waves at an object and receives the reflected wave which is digitized for storage and later analysis. The data is passed over a quiet bus (1) which is controlled by a controller (5). The controller interfaces with two computers (6, 7) one via a high speed interface and the other via a low speed interface.

The controller controls the operation of the bus to segregate digital signals from analog signals so that the **different** signal **types** are not mixed with the risk of interference with each other. The bus is designed for bi-directional flow of digital or analog electrical signals.

ADVANTAGE - Prevents noise on digital signals from interfering with analog signals which use same bus.

Dwg.1/5

Title Terms: NON; DESTROY; TEST; APPARATUS; ULTRASONIC; WAVE; CONTROL; HIGH ; LOW; SPEED; COMPUTER; INTERFACE; CONTROL; FLOW; DIGITAL; ANALOGUE; SIGNAL; BI; DIRECTION; BUS

Derwent Class: S03; T01

International Patent Class (Main): G01N-029/04; G01N-029/10; **G06F-015/20**

International Patent Class (Additional): G01N-029/18; G01N-029/22;

H04B-015/00

File Segment: EPI

10/5/22 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009309240 \*\*Image available\*\*

WPI Acc No: 1993-002676/199301

XRPX Acc No: N93-001956

**Motion vector detection device for moving picture - includes representative point memory, absolute value calculating device, cumulative addition device and comparator interpolator circuit for comparing vector-by-vector data**

Patent Assignee: SONY CORP (SONY )

Inventor: OHKI M

Number of Countries: 004 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2257326	A	19930106	GB 9213643	A	19920626	199301 B
DE 4221320	A1	19930114	DE 4221320	A	19920629	199303
JP 5091492	A	19930409	JP 91184061	A	19910628	199319
US 5361104	A	19941101	US 92904579	A	19920626	199443
GB 2257326	B	19950125	GB 9213643	A	19920626	199507
JP 3123130	B2	20010109	JP 91184061	A	19910628	200104

Priority Applications (No Type Date): JP 91184061 A 19910628

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2257326	A	56		H04N-005/14	
DE 4221320	A1	27		G06F-015/66	
JP 5091492	A			H04N-007/13	
US 5361104	A	25		H04N-007/13	
GB 2257326	B	2		H04N-005/14	
JP 3123130	B2	21		H04N-007/24	Previous Publ. patent JP 5091492

Abstract (Basic): GB 2257326 A

The device calculates the absolute value of the difference between a plurality of sets of representative points selected at the same interval as the search area consisting of QxR pixel data of the current field at the positions of the q x r pixel interval to find motion vectors.

Data of each vector are cumulatively summed to find the remainder.

Data of the remainder of each vector are compared to one another to find a motion vector and a motion vector is found at an interval less than  $q \times r$  by interpolation from the motion vector and values of the remainders in its vicinity.

USE - For detecting motion vector (quantity of motion) of moving picture.

Dwg.1/17

Title Terms: MOTION; VECTOR; DETECT; DEVICE; MOVE; PICTURE; REPRESENT;  
POINT; MEMORY; ABSOLUTE; VALUE; CALCULATE; DEVICE; CUMULATIVE; ADD;  
DEVICE; COMPARATOR; INTERPOLATION; CIRCUIT; COMPARE; VECTOR; VECTOR; DATA  
Derwent Class: T01; W04  
International Patent Class (Main): G06F-015/66 ; H04N-005/14; H04N-007/13;  
H04N-007/24  
International Patent Class (Additional): G06F-015/70 ; G06T-007/20;  
H04N-005/232; H04N-011/04  
File Segment: EPI

10/5/23 (Item 21 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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009150643 \*\*Image available\*\*

WPI Acc No: 1992-278081/199234

XRPX Acc No: N92-212682

**Iconic representation of oscilloscope averaging progress - using pixel based 2 character display inverting lines of pixels to indicate percentage progress to target completion**

Patent Assignee: HEWLETT-PACKARD CO (HEWP )

Inventor: SCHNAIBLE M P; TIMM D P

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 499353	A2	19920819	EP 92300066	A	19920106	199234 B
EP 499353	A3	19921125	EP 92300066	A	19920106	199343
US 5282266	A	19940125	US 91648706	A	19910131	199405
EP 499353	B1	19971015	EP 92300066	A	19920106	199746
DE 69222668	E	19971120	DE 622668	A	19920106	199801
			EP 92300066	A	19920106	

Priority Applications (No Type Date): US 91648706 A 19910131

Cited Patents: No-SR.Pub; 5.Jnl.Ref; EP 394160; US 4974173

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 499353	A2	E	16	G01R-013/22	
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Designated States (Regional): DE FR GB

US 5282266	A		15	G06F-015/62	
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EP 499353	B1	E	15	G01R-013/22	
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Designated States (Regional): DE FR GB

DE 69222668	E			G01R-013/22	Based on patent EP 499353
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EP 499353	A3			G01R-013/22	
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Abstract (Basic): EP 499353 A

The oscilloscope includes a mechanism of forming a display of a waveform by averaging a number of waveform samples. The display includes a two character display position (806) which indicates progress towards achieving the target number of waveform acquisitions. The two symbols are initially displayed as white dots on a black background.

As **target** acquisition **proceeds**, the rows of dots (802) within the display are inverted starting at the bottom of the display. When 100 percent of the waveforms have been acquired, all of the rows have been inverted and the characters show as black on white.

ADVANTAGE - Avoids using a whole line of the display or requiring the user to do mental arithmetic of the progress.

lo

Dwg.3/8

Title Terms: REPRESENT; OSCILLOGRAPH; AVERAGE; PROGRESS; PIXEL; BASED;



CHARACTER; DISPLAY; INVERT; LINE; PIXEL; INDICATE; PERCENTAGE; PROGRESS;  
 TARGET; COMPLETE  
 Derwent Class: S01  
 International Patent Class (Main): G01R-013/22; **G06F-015/62**  
 International Patent Class (Additional): G01R-015/00; **G06F-009/44**  
 File Segment: EPI

10/5/24 (Item 22 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2002 Thomson Derwent. All rts. reserv.

008953007 \*\*Image available\*\*  
 WPI Acc No: 1992-080276/199210  
 XRPX Acc No: N92-060119

**Baggage inspection method with dual energy X-ray discrimination - using exposure to dual energise allows processing of comparative attenuation data to identify presence of material esp. explosives**  
 Patent Assignee: VIVID TECHNOLOGIES INC (VIVI-N); VIVID TECHN INC (VIVI-N); VIVID TECHNOLOGIES (VIVI-N)  
 Inventor: KRUG K D; STEIN J A; TAYLOR A L  
 Number of Countries: 037 Number of Patents: 011  
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9202892	A	19920220				199210	B
AU 9185036	A	19920302	AU 9185036	A	19910808	199224	
			WO 91US5642	A	19910808		
EP 542911	A1	19930526	EP 91916528	A	19910808	199321	
			WO 91US5642	A	19910808		
US 5319547	A	19940607	US 90566083	A	19900810	199422	
JP 6504838	W	19940602	JP 91515089	A	19910808	199426	
			WO 91US5642	A	19910808		
US 5490218	A	19960206	US 90566083	A	19900810	199612	
			US 93165737	A	19931210		
EP 542911	A4	19960626	EP 91916528	A	19910000	199644	
US 5838758	A	19981117	US 90566083	A	19900810	199902	
			US 93165737	A	19931210		
			US 95403277	A	19950313		
EP 942295	A2	19990915	EP 91916528	A	19910808	199942	
			EP 99201028	A	19910808		
EP 542911	B1	19991124	EP 91916528	A	19910808	199954	
			WO 91US5642	A	19910808		
			EP 99201028	A	19910808		
DE 69131799	E	19991230	DE 631799	A	19910808	200007	
			EP 91916528	A	19910808		
			WO 91US5642	A	19910808		

Priority Applications (No Type Date): US 90566083 A 19900810; US 93165737 A 19931210; US 95403277 A 19950313

Cited Patents: 03 84388100; 04 53964800; 04 86414200; 05 1617300; 05 2206200; 05 3122600; 05 4400200; 00 35896500; 04 36638200; 4731807 A

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9202892	A		115		
Designated States (National): AU BB BG BR CA CS FI HU JP KP KR LK MC MG MN MW NO PL RO SD SU					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL OA SE					
DE 69131799	E			G01N-023/04	Based on patent EP 542911 Based on patent WO 9202892
AU 9185036	A			G06F-015/52	Based on patent WO 9202892
EP 542911	A1	E	115	G06F-015/52	Based on patent WO 9202892
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE					
US 5319547	A		50	G06F-015/00	
JP 6504838	W			G01V-005/00	Based on patent WO 9202892
US 5490218	A		50	G01N-023/02	Cont of application US 90566083 Cont of patent US 5319547
US 5838758	A			G01N-023/06	Cont of application US 90566083 Cont of application US 93165737

Cont of patent US 5319547  
Cont of patent US 5490218  
EP 942295 A2 E G01V-005/00 Div ex application EP 91916528  
Div ex patent EP 542911  
Designated States (Regional): DE FR GB  
EP 542911 B1 E G01N-023/04 Related to application EP 99201028  
Related to patent EP 942295  
Based on patent WO 9202892  
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE

Abstract (Basic): WO 9202892 A

The device detects a specific material that may be present in an ensemble of objects. An area of the ensemble is exposed to X-ray energies to produce dual energy image information, thereby making use of characteristics difference in photoelectric and Compton effect scattering.

The pair wire differential attenuation of the X-rays at nearby exposed sub- **areas** **determines** whether **different** materials are present, following computer processing of the image information. The most probable subareas are indicated on a standard image on a monitor as being the most likely location of the overlying specific material.

USE/ADVANTAGE - For detecting presence of specific material, esp. bomb in baggage. Provides colour visual display with image-enhancement, in conjunction with alarm.

Dwg.1/20

Title Terms: BAGGAGE; INSPECT; METHOD; DUAL; ENERGY; X-RAY; DISCRIMINATE; EXPOSE; DUAL; ENERGISE; ALLOW; PROCESS; COMPARE; ATTENUATE; DATA; **IDENTIFY** ; PRESENCE; MATERIAL; EXPLOSIVE  
Derwent Class: S03; T01; W06  
International Patent Class (Main): G01N-023/02; G01N-023/04; G01N-023/06; G01V-005/00; **G06F-015/00** ; **G06F-015/52**  
International Patent Class (Additional): **G06F-015/62** ; G06T-005/50; G06T-007/00  
File Segment: EPI

10/5/25 (Item 23 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

008858660 \*\*Image available\*\*  
WPI Acc No: 1991-362683/199150  
XRPX Acc No: N91-277798

**Controlling distribution of raw material to product groups - coordinating raw material and range of product groups by scheduling system**

Patent Assignee: MOTOROLA INC (MOTI )  
Inventor: CHAPMANN W; CHAPMAN W  
Number of Countries: 002 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4110108	A	19911205	DE 4110108	A	19910327	199150 B
US 5291394	A	19940301	US 90531969	A	19900601	199409

Priority Applications (No Type Date): US 90531969 A 19900601

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5291394	A	24	G06F-015/22	

Abstract (Basic): DE 4110108 A

A computerised system is used for the scheduling and control of a mfg. system that handles a large number of **different product** groups utilising a range of raw materials. The system has a scheduling unit (26) that contains information for each group, and this connects to a disc memory (28) and vector manager unit (30).

The computer receives raw material inputs (14) and product group data (18). The scheduling unit is configured using the knowledge of an expert user (24) and coordinates the parallel product prodn. activities.

ADVANTAGE - Optimum control of prodn. system with range of product groups. (27pp Dwg.No.1/13  
 Title Terms: CONTROL; DISTRIBUTE; RAW; MATERIAL; PRODUCT; GROUP; COORDINATE ; RAW; MATERIAL; RANGE; PRODUCT; GROUP; SCHEDULE; SYSTEM  
 Derwent Class: T01; T06; X25  
 International Patent Class (Main): G06F-015/22  
 International Patent Class (Additional): G06F-015/24 ; G06F-015/46 ; G06G-007/52  
 File Segment: EPI

10/5/26 (Item 24 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2002 Thomson Derwent. All rts. reserv.

008748829 \*\*Image available\*\*  
 WPI Acc No: 1991-252847/199134  
 XRPX Acc No: N91-192695

**Three-frame technique for analysing motions in image frames - has feed back loop to respond to all image data in respective analysis regions of three consecutive frames of motion picture**  
 Patent Assignee: SARNOFF CORP (SARN-N); SARNOFF RES CENT INC DAVID (SARN-N) ; SARNOFF D RES CENT (SARN-N)  
 Inventor: BERGEN J R; BURT P J; HINGORANI R; PELEG S  
 Number of Countries: 015 Number of Patents: 008  
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9111782	A	19910808				199134 B
US 5067014	A	19911119	US 90624343	A	19901212	199149
EP 513047	A1	19921119	EP 91902579	A	19910114	199247
			WO 91US99	A	19910114	
JP 5503796	W	19930617	JP 91502989	A	19910114	199329
			WO 91US99	A	19910114	
EP 513047	A4	19940615	EP 91902579	A		199531
EP 513047	B1	19971001	EP 91902579	A	19910114	199744
			WO 91US99	A	19910114	
DE 69127809	E	19971106	DE 627809	A	19910114	199750
			EP 91902579	A	19910114	
			WO 91US99	A	19910114	
JP 3079196	B2	20000821	JP 91502989	A	19910114	200043
			WO 91US99	A	19910114	

Priority Applications (No Type Date): US 90624343 A 19901212; GB 901468 A 19900123

Cited Patents: US 4685146; US 4847688; US 4864394; US 4870692; US 4965666; 2.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9111782	A				
					Designated States (National): JP
					Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE
EP 513047	A1	E	24	G06K-009/36	Based on patent WO 9111782
					Designated States (Regional): DE FR GB IT
JP 5503796	W			G06F-015/70	Based on patent WO 9111782
EP 513047	B1	E	16	G06T-007/20	Based on patent WO 9111782
					Designated States (Regional): DE FR GB IT
DE 69127809	E			G06T-007/20	Based on patent EP 513047
					Based on patent WO 9111782
JP 3079196	B2		11	G06T-007/20	Previous Publ. patent JP 5503796
					Based on patent WO 9111782

Abstract (Basic): WO 9111782 A

The system **analyses** movement of objects within three **successive** frames. A warp process shifts the position of the moving object in the first frame toward the position of the moving object within the second frame by an amount specified by a warp control signal. Corresponding pixels are compared between the shifted first frame and the second frame to **determine** computation image data.

Similarly, movement in the second and third frames is analysed. A motion estimate is produced from the two sets of image data which is fed back into the warp control to adjust the positions of the objects.

USE/ADVANTAGE - In image motion analysis in recorded video sequences. Large analysis region. Does not require segmentation of image frame area. (24pp Dwg.No.3,4/4

Title Terms: THREE; FRAME; TECHNIQUE; ANALYSE; MOTION; IMAGE; FRAME; FEED; BACK; LOOP; RESPOND; IMAGE; DATA; RESPECTIVE; ANALYSE; REGION; THREE; CONSECUTIVE; FRAME; MOTION; PICTURE

Derwent Class: T04

International Patent Class (Main): G06F-015/70 ; G06K-009/36; G06T-007/20

International Patent Class (Additional): G06F-015/62 ; G06T-001/00

File Segment: EPI

10/5/27 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008449300 \*\*Image available\*\*

WPI Acc No: 1990-336300/199045

XRPX Acc No: N90-257221

**Production line control with down time estimation - minimising loss of production caused by production line processing station faults**

Patent Assignee: NISSAN MOTOR CO LTD (NSMO )

Inventor: KANNO H; NISHIYAMA T; NOMARU M

Number of Countries: 003 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4013616	A	19901031	DE 4013616	A	19900427	199045 B
GB 2232783	A	19901219	GB 909399	A	19900426	199051
US 5166874	A	19921124	US 90509446	A	19900416	199250
GB 2232783	B	19930526	GB 909399	A	19900426	199321
DE 4013616	C2	19931028	DE 4013616	A	19900427	199343

Priority Applications (No Type Date): JP 89105809 A 19890427

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5166874	A	31		G05B-009/02	
DE 4013616	C2	23		G06F-015/46	
GB 2232783	B			G05B-023/00	

Abstract (Basic): DE 4013616 A

Fault data for individual faults occurring in a processing station are collected and a fault data record formed recording individual fault type, origin and down time of the processing station. A failure signal produced when the station is interrupted contains the fault type and cause.

A restart instruction is generated when the down time estimated from the fault type and cause is less than a defined value, otherwise the station is switched to an **extraordinary production** state.

ADVANTAGE - Reductions in production caused by production line faults are minimised by production line control method. (25pp Dwg.No.1/15

Title Terms: PRODUCE; LINE; CONTROL; DOWN; TIME; ESTIMATE; MINIMISE; LOSS; PRODUCE; CAUSE; PRODUCE; LINE; PROCESS; STATION; FAULT

Derwent Class: T01

International Patent Class (Main): G05B-009/02; G05B-023/00; G06F-015/46

File Segment: EPI

10/5/28 (Item 26 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008358870 \*\*Image available\*\*

WPI Acc No: 1990-245871/199032

XRAM Acc No: C90-106252

• XRPX Acc No: N90-190862

**Macromolecular sepn. in centrifugal cell with gradient variation - by generating sedimentation coefft. which varies with time and using measurements to determine optimal rotation speed**

Patent Assignee: BECKMAN INSTR INC (BECI )

Inventor: CHULAY S J; GIEBELER R; MINTON A P

Number of Countries: 007 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4941868	A	19900717	US 89379261	A	19890710	199032 B
EP 408262	A	19910116	EP 90307393	A	19900706	199103
EP 408262	B1	19970205	EP 90307393	A	19900706	199711
DE 69029881	E	19970320	DE 629881	A	19900706	199717
			EP 90307393	A	19900706	

Priority Applications (No Type Date): US 89379261 A 19890710

Cited Patents: 1.Jnl.Ref; A3...9148; EP 347340; EP 35396; NoSR.Pub; US 4244513; EP 247340

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 408262 A

Designated States (Regional): CH DE FR GB IT LI

EP 408262 B1 E 15 G01N-015/04

Designated States (Regional): CH DE FR GB IT LI

DE 69029881 E G01N-015/04 Based on patent EP 408262

Abstract (Basic): US 4941868 A

**Different species** of macromolecules are sepd. in a centrifugal cell which contains a mixt. of a solute and solvent which produce a density gradient when the cell is rotated. The individual macromolecules experience a sedimentation coefft. which varies with time, the rotation speed of the cell and the position of the macromolecule within the cell. Prior to sepn., the process is modelled on a computer for specific times at which the density gradient and sedimentation coefft. are calculated.

These measurements allow the optimal rotation speed of the centrifugal cell to be **determined** such that the sepn. of the macromolecules is achieved in the shortest possible time without the gradient-forming mixt. precipitating itself.

USE/ADVANTAGE - The process separates macromolecules in low conc. in a gradient forming solute at high conc. using a high speed rotor e.g. operating at 90,000 rpm. The rotor speed is initially high but is gradually reduced during the sepn. in accordance with a computer model which minimises the process time. (11pp Dwg.No 1/8

Title Terms: MACROMOLECULAR; SEPARATE; CENTRIFUGE; CELL; GRADIENT; VARIATION; GENERATE; SEDIMENT; COEFFICIENT; VARY; TIME; MEASURE; **DETERMINE** ; OPTIMUM; ROTATING; SPEED

Derwent Class: D16; J01; P41; S03

International Patent Class (Main): G01N-015/04

International Patent Class (Additional): B04B-013/00; **G06F-015/20 ; G06F-017/00**

File Segment: CPI; EPI; EngPI

10/5/29 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008246469 \*\*Image available\*\*

WPI Acc No: 1990-133470/199018

XRPX Acc No: N90-103485

**Evaluation system for cell culture images - uses statistical evaluation of located cells marked within each successively displayed cell culture image field**

Patent Assignee: ZEISS FA CARL (ZEIS )

Inventor: KETTLER A

Number of Countries: 006 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 365928	A	19900502	EP 89118940	A	19891012	199018 B
DE 3836716	A	19900503	DE 3836716	A	19881028	199019
JP 2171866	A	19900703				199032
US 5031099	A	19910709	US 89428217	A	19891027	199130
EP 365928	B1	19950503	EP 89118940	A	19891012	199522
DE 58909215	G	19950608	DE 509215	A	19891012	199528
			EP 89118940	A	19891012	
JP 2930618	B2	19990803	JP 89278796	A	19891027	199936

Priority Applications (No Type Date): DE 3836716 A 19881028

Cited Patents: 5.Jnl.Ref; A3...9128; NoSR.Pub

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 365928 A 12

Designated States (Regional): AT CH DE LI

US 5031099 A 11

EP 365928 B1 G 16 G01N-015/14

Designated States (Regional): AT CH DE LI

DE 58909215 G G01N-015/14 Based on patent EP 365928

JP 2930618 B2 9 G06T-007/00 Previous Publ. patent JP 2171866

Abstract (Basic): EP 365928 A

The **evaluation** system has a number of **successive** image fields of a cell culture recorded in succession and stored in a digital memory from which they can be read-out in succession for controlling a display monitor. The cells within each cell culture image are marked, with **different** markings used for **different** types of cell and **different** cell generations.

The number and positions of the different markings is recorded to allow statistical evaluation. Pref. the cell division rate within the **different** cell culture image fields is recorded together with the rate of movement of the individually marked cells.

USE - For detecting cancer cells. (12pp Dwg.No.1/10)

Title Terms: EVALUATE; SYSTEM; CELL; CULTURE; IMAGE; STATISTICAL; EVALUATE; LOCATE; CELL; MARK; SUCCESSION; DISPLAY; CELL; CULTURE; IMAGE; FIELD

Derwent Class: S03; S05; T01

International Patent Class (Main): G01N-015/14; G06T-007/00

International Patent Class (Additional): C12M-001/34; G01N-033/48;

**G06F-015/70**

File Segment: EPI

10/5/30 (Item 28 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008182201 \*\*Image available\*\*

WPI Acc No: 1990-069202/199010

XRPX Acc No: N90-052967

**Real-time terrestrial navigation system using digitally stored map - includes reference points allowing correction of estimated position as determined by displacement sensors**

Patent Assignee: THOMSON CSF (CSFC )

Inventor: SCHORTER M

Number of Countries: 007 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 357515	A	19900307	EP 89402389	A	19890901	199010 B
FR 2636134	A	19900309				199017
US 5159556	A	19921027	US 89418411	A	19890824	199246
EP 357515	B1	19930107	EP 89402389	A	19890901	199302
DE 68904272	E	19930218	DE 604272	A	19890901	199308
			EP 89402389	A	19890901	
CA 1323917	C	19931102	CA 610128	A	19890901	199350

Priority Applications (No Type Date): FR 8811497 A 19880902

Cited Patents: 1.Jnl.Ref; DE 3434896; DE 3608658; EP 166547; EP 270911; GB

21074497

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
EP 357515 A F 20  
Designated States (Regional): DE GB IT NL  
US 5159556 A 18 G06F-015/50  
EP 357515 B1 F 22 G01C-021/22  
Designated States (Regional): DE GB IT NL  
DE 68904272 E G01C-021/22 Based on patent EP 357515  
CA 1323917 C F G01C-021/22

Abstract (Basic): EP 357515 A

The system includes displacement sensors (1) whose signals are digitised (2) to calculate periodically (3) the estimated position (M) of the vehicle. The estimated route (Te) is stored in memory (4). A digital cartographic database (5) is read (6) to **extract** and memorise (7) the useful **area** to be displayed, along with a suitable reference point.

A central management and processing unit (8) is programmed to calculate the difference (10) between the estimated position and the real position of the vehicle at each reference point. This provides compensation parameters which are held in memory and used in subsequent calculations.

3/15

Title Terms: REAL-TIME; TERRESTRIAL; NAVIGATION; SYSTEM; DIGITAL; STORAGE; MAP; REFERENCE; POINT; ALLOW; CORRECT; ESTIMATE; POSITION; **DETERMINE** ; DISPLACEMENT; SENSE

Derwent Class: S02; W06; X22

International Patent Class (Main): G01C-021/22; **G06F-015/50**

International Patent Class (Additional): G01C-023/00

File Segment: EPI

10/5/31 (Item 29 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004546433

WPI Acc No: 1986-049777/198608

XPX Acc No: N86-036448

**System for monitoring specific living-body conditions - converts and stores sensed data in digital form before processing and editing to provide patient information in summary form**

Patent Assignee: SUMITOMO ELECTRIC IND CO (SUME )

Inventor: KUWA K; YONEDA K

Number of Countries: 008 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 171927	A	19860219	EP 85305000	A	19850712	198608 B
DK 8503193	A	19860114				198615
US 4779199	A	19881018	US 86904371	A	19860908	198844

Priority Applications (No Type Date): JP 84146376 A 19840713

Cited Patents: A3...8709; GB 2054861; No-SR.Pub; US 4228506; US 4364397

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
EP 171927 A E 14

Designated States (Regional): CH DE FR GB IT LI

Abstract (Basic): EP 171927 A

Preferably, a sensor (1) detects the specific item of information under consideration and feeds this as an analog signal to an analog input device (2) and A/D converter (3) for inputting to a computer (CPU) (4). An erasable and programmable read-only memory (EPROM) (5) stores a program for controlling the entire system.

A memory (6) consisting of a CMOS RAM (61) with a lithium cell **back - up** (62), provides an **area** where summary data, transferred from the CPU, is stored. It also provides an area where parameters from

\*key input (12), convert the data form of the stored digital signal into body condition information data in summary form.

USE/ADVANTAGE - E.g. for heart rate, blood carbon dioxide oxygen levels and electrocardiographic data. Possible to **pick** out only important portions of **successive** recording data for full examination, saves paper. (14pp Dwg.No.1/4)

Title Terms: SYSTEM; MONITOR; SPECIFIC; LIVE; BODY; CONDITION; CONVERT; STORAGE; SENSE; DATA; DIGITAL; FORM; PROCESS; EDIT; PATIENT; INFORMATION; SUMMARY; FORM

Derwent Class: P31; S05

International Patent Class (Additional): A61B-005/02; **G06F-015/42**

File Segment: EPI; EngPI

**10/5/32 (Item 30 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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003909688

WPI Acc No: 1984-055232/198409

XRPX Acc No: N84-041593

**Random process characteristic measurement appts. - has permanent memory, summators and multiplier whose output is coupled to first summator**

Patent Assignee: KIEV CIVIL AVIATION (KICI )

Inventor: ZELENKOV A A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1015394	A	19830430	SU 3368509	A	19811013	198409 B

Priority Applications (No Type Date): SU 3368509 A 19811013

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
SU 1015394	A	5		

Abstract (Basic): SU 1015394 A

Appts. relates to computer technology and provides to widen functional possibilities **determining** the lengths of series from the sequences of estimates of average values.

Independent values of the stochastic process enter in digital form the signal input of unit (1) which **determines** the estimates of the average values and medians. On a command of synchronisation unit (2) which goes to the control input of (1), a calculation is begun of these estimates average, which are recorded in the corresponding cells of memory (3). When there is sufficient volume of these according to the programme unit (1) **proceeds** to **estimate** the medians and these in digital form pass continually to the first input of comparator (4). Synchronising unit (2) pass signal to the memory (3) and, the estimates of the averages x pass sequentially to the comparator (4) where they are compared with the values of the medians. The results in the form of pulses fo from the output of (4) through OR-gate (5) to the counter (6), and a code defines the length of the series and these codes are stored in memory (9). There can be formed on its output in sequence the digital codes of the numbers of series which are the same and these are passed to the multiplier (14) where they are multiplied by the codes of the lengths and the **products** **added** together. If the result is less than the number stored in unit (16) from hypothetical analysis, then a stationary value has been found. Bul.16/30.4.83.

Dwg.1/3

Title Terms: RANDOM; PROCESS; CHARACTERISTIC; MEASURE; APPARATUS; PERMANENT ; MEMORY; SUM; MULTIPLIER; OUTPUT; COUPLE; FIRST; SUM

Derwent Class: T01

International Patent Class (Additional): **G06F-015/36**

File Segment: EPI

**10/5/33 (Item 31 from file: 350)**

DIALOG(R)File 350:Derwent WPIX



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003762638

WPI Acc No: 1983-758849/198336

XRPX Acc No: N83-159607

**Microprocessor monitoring system for fastener tightening - utilising successive area measurements under torque-angle curve which are compared at given torques to generate indication**

Patent Assignee: CHICAGO PNEUMATIC TOOL CO (CHPN )

Inventor: GIARDINO D A; GROSHANS J B; WALLACE W K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4400785	A	19830823				198336 B

Priority Applications (No Type Date): US 80215571 A 19801212; US 80183424 A 19800902

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 4400785	A	11		

Abstract (Basic): US 4400785 A

The method monitors an initial portion of the cycle, and after a first predetermined torque level is reached, the area under the torque-angle curve is **calculated** for each degree of rotation. **Successive** areas are compared with the initial area to **determine** the rate of work change. Such comparisons, made at pre-set limits, indicate acceptability of the fastener assembly operation. A crossed thread, defective thread, or a misassembled fastener can be thus detected, and indicated.

After a second predetermined torque level is reached, a **new** reference **area** is **calculated**. Each **successive** area change is **calculated** and compared with the **new** reference **area** to **determine** rate of work change. Comparison is again made at pre-set limits to **determine** acceptability of the fastener assembly operation.

0/6

Title Terms: MICROPROCESSOR; MONITOR; SYSTEM; FASTEN; TIGHTEN; UTILISE; SUCCESSION; AREA; MEASURE; TORQUE; ANGLE; CURVE; COMPARE; TORQUE; GENERATE; INDICATE

Derwent Class: P56; T01; T05; X25

International Patent Class (Additional): B23P-019/06; **G06F-015/20**

File Segment: EPI; EngPI

**10/5/34 (Item 32 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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003247285

WPI Acc No: 1982-A5451E/198203

**Tomographic digital data processing and storage system - has intelligent memory incorporating decentralised supplementary operator and service lines to allow interlaced processing of memory pages**

Patent Assignee: THOMSON CSF (CSFC )

Inventor: BERARD A; GRIMBERT M

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 43745	A	19820113	EP 81400918	A	19810610	198203 B
FR 2486269	A	19820108				198207
US 4520442	A	19850528	US 81279628	A	19810701	198524
EP 43745	B	19850911				198537
DE 3172217	G	19851017				198543

Priority Applications (No Type Date): FR 8014909 A 19800704

Cited Patents: 1.Jnl.Ref; FR 2379117; GB 2001502; No-SR.Pub; US 3924129; US 3975714; FR 2423823

Patent Details:

\* Patent No Kind Lan Pg Main IPC Filing Notes  
EP 43745 A F 23  
Designated States (Regional): DE GB NL  
EP 43745 B F  
Designated States (Regional): DE GB NL

Abstract (Basic): EP 43745 A

The input-output data acquisition system is connected by a service line to the CPU. A region of the CPU generates commands for the control unit and, together with a PROM, forms a microprogram sequencer. An analogous combination of a store and a region in the memory fulfils the same function for the decentralised supplementary operates, and with the service lines these form an intelligent memory which has only two conversational access links to the remainder of the system.

Data for processing and storage are introduced via one link. The memory is initialised by the other link, which can be suppressed when all values are initialised by internal CLEAR or 14ESET commands. The system can be adapted to a tomodesitometer. The configuration saves considerable time and allows interlaced processing of different pages of the memory.

Title Terms: TOMOGRAPHY; DIGITAL; DATA; PROCESS; STORAGE; SYSTEM; INTELLIGENCE; MEMORY; INCORPORATE; DECENTRALISE; SUPPLEMENTARY; OPERATE; SERVICE; LINE; ALLOW; INTERLACED; PROCESS; MEMORY; PAGE

Index Terms/Additional Words: INTELLIGENCE

Derwent Class: P31; S05; T01

International Patent Class (Additional): A61B-006/02; G06F-009/28 ; G06F-015/33

File Segment: EPI; EngPI

10/5/35 (Item 33 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

002121495

WPI Acc No: 1979-E1422B/197919

**Electronic calculator for chemical calculations - determines atomic and molecular wt. distributions and has keys for associated arithmetical processes**

Patent Assignee: JUST I (JUST-I)

Inventor: JUST I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2748951	A	19790503				197919 B

Priority Applications (No Type Date): DE 2748951 A 19771102

Abstract (Basic): DE 2748951 A

An electronic calculator is designed for chemical applications. It has the four basic arithmetic function keys, keys for decimal numbers, decimal points, automatic **percentage** ; storage and further **calculations** , a display, and electronic circuits connected to the keys, display, and store.

It is designed to facilitate numeral constant input, and the calculation of molecular wts., molecular fragment wts., and wt. distributions of chemical elements and molecules. It has additional keys with symbols of chemical elements and functional groups for **different** molecular **types** whereby the operation of a key draws an appropriate wt. value from store.

Title Terms: ELECTRONIC; CALCULATE; CHEMICAL; CALCULATE; DETERMINE ; ATOMIC; MOLECULAR; WEIGHT; DISTRIBUTE; KEY; ASSOCIATE; ARITHMETIC; PROCESS

Derwent Class: T01; T04

International Patent Class (Additional): G06F-003/02 ; G06F-015/02

File Segment: EPI

File 15:ABI/Inform(R) 1971-2002/May 30  
(c) 2002 ProQuest Info&Learning  
File 20:Dialog Global Reporter 1997-2002/May 31  
(c) 2002 The Dialog Corp.  
File 95:TEME-Technology & Management 1989-2002/APR W2  
(c) 2002 FIZ TECHNIK  
File 476:Financial Times Fulltext 1982-2002/May 31  
(c) 2002 Financial Times Ltd  
File 610:Business Wire 1999-2002/May 31  
(c) 2002 Business Wire.  
File 613:PR Newswire 1999-2002/May 31  
(c) 2002 PR Newswire Association Inc  
File 624:McGraw-Hill Publications 1985-2002/May 31  
(c) 2002 McGraw-Hill Co. Inc  
File 634:San Jose Mercury Jun 1985-2002/May 30  
(c) 2002 San Jose Mercury News  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 9:Business & Industry(R) Jul/1994-2002/May 29  
(c) 2002 Resp. DB Svcs.

?ds

Set	Items	Description
S1	7292520	FARM? OR PHARM? ? OR PHARMING? OR FIELD? ? OR AGRICULTUR? - OR GRANG? OR HOMESTEAD? OR PLANTATION? OR HACIENDA? OR AREA? ? OR LAND? ? OR TRACT? OR REAL()ESTATE? OR ACRE? OR RANCH? OR - HECTARE? OR INTERCROPP?
S2	8752342	CROP? ? OR PLANT? ? OR MONEYCROP? OR (CROP? ? OR PRODUCT? ) (1W)INTEREST? OR HARVEST? ? OR PRODUCE OR PRODUCT? ? OR AGR- IBUSINESS OR SPECIES OR GREENHOUSE? OR AGROFORESTRY?
S3	2523898	S2(5N) (NEW? ? OR SECOND OR 2ND OR ADDITIONAL OR ALTERNATIV- E? OR DIFFERENT? OR SUPPLEMENT? OR EXTRA? OR ANOTHER? OR AUGM- ENT? OR ADDED OR BACK()UP?)
S4	11980151	ANALYS? OR ANALYZ? OR FORECAST? OR ESTIMAT? OR PLAN OR PLA- NNED OR PLANNING OR CALCULAT? OR PICK? OR RECOMMEND? OR EVALU- AT? OR TARGET? OR PROJECT
S5	904146	S4(5N) ( PROFIT? ? OR EARNING? OR RETURN? ? OR SUCCESS? OR - LUCRATIVE OR MONEYMAKER? OR COMPENSATION OR DIVIDEND? OR INCO- ME? OR PERCENTAGE? OR PROCEEDS OR RECEIVABLE? OR REVENUE? OR - ALLOCATION? OR MPF OR MOST()PROFITABLE()FARM?)
S6	17437	S3(S)S5
S7	363	S6(S) (DATABASE? OR DATA() (BASE? OR FILE?) OR DATABANK? OR - DATA()BANK? OR KNOWLEDGEBASE? OR KNOWLEDGE()BASE? OR (EXPERT - OR SMART) ()SYSTEM? OR RDBM OR DBMS OR RDB OR DB OR DBS OR OODB OR ODBC)
S8	73	S7(S) (IDENTIF? OR DETERMIN? OR DEFINE? SELECT? OR CHOSE? - OR CHOOS?)
S9	43	S8 NOT PY=>2001
S10	42	RD (unique items)
S11	2127	S3(3N)S5
S12	1	S11(5N) (DATABASE? OR DATA() (BASE? OR FILE?) OR DATABANK? - OR DATA()BANK? OR KNOWLEDGEBASE? OR KNOWLEDGE()BASE? OR (EXP- ERT OR SMART) ()SYSTEM? OR RDBM OR DBMS OR RDB OR DB OR DBS OR OODB OR ODBC)
S13	1	S12 NOT S10

10/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02197351 75870491

**Characteristics of the heavy user of fashionable clothing**

Goldsmith, Ronald E  
Journal of Marketing Theory & Practice v8n4 PP: 21-28 Fall 2000  
ISSN: 1069-6679 JRNL CODE: MTP  
WORD COUNT: 5943

...TEXT: strongly associated with product use than the demographics were.

**INTRODUCTION**

Many marketing strategies begin by **identifying** heavy users as the most promising target segment of consumers. This approach to market segmentation ...

...volume, or behavioral segmentation; and it has long been applied in many product categories to **identify** the most likely buyers of new products or to increase sales of existing products Heath (1997). According to Loudon and Della Bitta (1993, p. 64): "Volume segmentation attempts to **identify** frequent users of a product category or brand. Marketers often refer to the '20-80...

... households, the most loyal one million households contribute more than one-half of the total **profit** .

**Recommendations** for management practice abound; for example, "Research on packaged consumer goods indicates that the best...

10/3,K/2 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02052241 57438471

**Adapting financial institution directors' roles in the management process to achieve a competitive advantage: A challenge for 2000 and beyond**

Bexley, James B; Duffy, Jo Ann M  
S.A.M. Advanced Management Journal v65n3 PP: 9-12 Summer 2000  
ISSN: 0749-7075 JRNL CODE: AMJ  
WORD COUNT: 2372

...TEXT: at least monthly by reviewing the financial results, comparing actual results to budget, and also **determining** if the **new products** , technology, etc. are being implemented as planned. This role is only possible when the board contains a balance of insiders (top-level managers) and outsiders. Since monitoring the **plan** 's **success** is a role common to all boards, it is not rare and therefore, not classified...

... as well as judging the executives' implement on efforts, have the capacity to enhance the **knowledge base** used in strategic decision making.

New Role for Directors in the Strategic Management Process  
While...

10/3,K/3 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02049124 56590348

**Personalization and Web analysis sink in**

Fonseca, Brian  
InfoWorld v22n29 PP: 39 Jul 17, 2000

ISSN: 0199-6649 JRNL CODE: IFW  
WORD COUNT: 673

...TEXT: be integrated with CRM (customer relationship management) and ERP (enterprise resource planning) systems and organizational **databases**. Unique visitor interaction and **identifiers** are appended for each session and assigned before the information is sent to a data warehouse, says Colleen Carey, WebTrends' director of **product** marketing.

**New** features in CommerceTrends include revenue forecaster Campaign Analyzer and a single-view data-providing add...

10/3,K/4 (Item 4 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01838385 04-89376

**Web-based OPACs: Between tradition and innovation**

Ortiz-Repiso, Virginia; Moscoso, Purificacion  
Information Technology & Libraries v18n2 PP: 68-77 Jun 1999  
ISSN: 0730-9295 JRNL CODE: JLA  
WORD COUNT: 8166

...TEXT: the dialogue between user and system, an area in which normalization and homogenization play a **determining** role. Other research has come to favor the development of new mechanisms for information access ...

... Nevertheless, there have not been many efforts, until a few years ago, aimed at designing **databases** with a record structure different from the MARC format whose own structure reflects an organization of **data based** on existing cataloging rules.5 Likewise, its linear and rigid structure impedes the development of...

... project whose primary goal is to analyze OPACs available via the Web in order to **evaluate** how **successfully** the problems of first- and second-generation catalogs- **identified** over two decades-have been solved using new technological developments. With these results we hope...

... this work by contrasting two concepts that, we believe, have presided over the development of **products** generated by libraries applying **new** information technologies: innovation and tradition. Freeing oneself of the latter is a difficult task in...

10/3,K/5 (Item 5 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01640572 02-91561

**The legacies left us by database producers**

Marcinko, Randall  
Database v21n3 PP: 49-58 Jun/Jul 1998  
ISSN: 0162-4105 JRNL CODE: DTB  
WORD COUNT: 6048

...TEXT: be very large over time.

While the ROI on PsycINFO's investment in its historical **database** might be high, so were the initial costs. Most of the keying was done offshore...

... the benefits that PsycINFO has or will soon start to enjoy. Historic PsycINFO is a **new product** with its own revenue stream that it will pay for itself, on **revenue calculations**, over the next several years. Various **new products** can be designed, created, and sold. They might span new time periods and include a...

, ...the full historic file allows PsycINFO to examine several hot areas in psychological research to **determine** whether retrospective coverage of the literature would be beneficial.  
PsycINFO is a case in point...

10/3,K/6 (Item 6 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01426834 00-77821

**You say London, I say Londres**

Kissinger, Annette

American Demographics Marketing Tools Supplement PP: 12-14 May 1997

ISSN: 0163-4089 JRNL CODE: ADE

WORD COUNT: 1508

...TEXT: promotions targeted to fill "need" periods, such as filling rooms in Chicago in winter. The **database** allows us to **identify** guests who would be interested in **new products** such as Club Inter-Continental Floors, a program within each hotel featuring special services like...

...a lounge, usually contained within one floor of the building. We've also used the **database** to manage marketing costs by evaluating where to spend on advertising, **determining** which trade shows to attend, and analyzing which channels of distribution yield the most revenues...

10/3,K/7 (Item 7 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01407261 00058248

**Cost estimation predictive modeling: Regression versus neural network**

Smith, Alice E; Mason, Anthony K

Engineering Economist v42n2 PP: 137-161 Winter 1997

ISSN: 0013-791X JRNL CODE: EEC

WORD COUNT: 4562

...TEXT: for a set series of time periods. These estimates are used typically as inputs to **deterministic** analysis methods, such as net present value or internal rate of **return calculations**, or as inputs to stochastic analysis methods, such as Monte Carlo simulation or decision tree...

...sampled cost driver data or adequate sample sizes. Moreover, cost estimating is often performed for **new products** or processes, for which good quality historical data does not exist. Thus, the cost model...

...developing countries [14], equipment and tooling configurations in plastic molding [23][24], query costs in **data bases** [39], maintenance scheduling in power plants [5], urban water supply projects [34], and design for...

10/3,K/8 (Item 8 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01186420 98-35815

**Measuring new products' worth**

Morrall, Katherine

Bank Marketing v28n4 PP: 42-48 Apr 1996

ISSN: 0888-3149 JRNL CODE: BNM

WORD COUNT: 2847

...TEXT: do you know what the customer will do and whether the bank will make a **profit**?"

**Planning** , market research, cost **analysis** , **database** marketing and customer segmentation all play a role in helping marketers **determine** whether a product has a chance to succeed. A study on **new product** development strategies by the consulting firm Booz Allen & Hamilton found there are several categories of **new products** , which vary in degree of innovation.

New to the world products are totally new and...

10/3,K/9 (Item 9 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01045321 96-94714

**Dynamic strategy ownership**

Feurer, Rainer; Chaharbaghi, Kazem; Distel, Markus  
Management Decision v33n4 PP: 12-21 1995  
ISSN: 0025-1747 JRNL CODE: MGD  
WORD COUNT: 4569

...TEXT: approvals from higher levels or corporate decisions. Figure 6 shows the acquisition of a strategic **knowledge base** over time. (Figure 6 omitted) In this figure vertical knowledge embraces technical and conceptual knowledge on **different product** modules while horizontal knowledge includes knowledge on strategy formulation, customer acquisition, risk **determination** , **profit** assessments, investment decisions, **project** execution, etc.

Looking at the history of TIS it becomes obvious that its evolution from...

10/3,K/10 (Item 10 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01043681 96-93074

**What's new with old apps?**

Cohn, Michael  
Accounting Technology v11n5 PP: 66-87 Jun 1995  
ISSN: 0883-1866 JRNL CODE: CIA  
WORD COUNT: 8801

...TEXT: can assess risk.

NT goes Platinum

This year, Platinum Software Corp. will be launching a **new** line of client/server **products** that takes advantage of SQL **database** technology and Microsoft Windows NT networking. Platinum SQL NT has been optimized for Microsoft NT SQL Server and is **targeted** at corporate CFOs. The Accounts **Receivable** module will offer techniques for dealing with merchandise returns, and reasons for returns, such as...

... also handle a variety of taxes, including value-added taxes. You'll be able to **determine** the tax code and the basis for a tax calculation, and the program will record...

10/3,K/11 (Item 11 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00456850 89-28637

**Beat the Budgeting Blues**

Paine, Katharine D.  
Business Marketing v74n7 PP: 48-57 Jul 1989

...ABSTRACT: competitive model is more appropriate for start-up firms or for companies budgeting for a **new product** or market. Needs analysis works well for a central corporate communications function, where the political...

... of the budgeting process are more important than the money involved. A useful approach for **determining** whether the budget has relative clout in the marketplace is cross-sectional analysis, which uses a **database** of many companies' spending and **revenue** experiences to **calculate** performance averages for products with similar sales and market characteristics. ...

10/3,K/12 (Item 12 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00441494 89-13281

**A Strategic Look at Competitors' HR Data**

Hawkins, Michael D.

Information Strategy: The Executive's Journal v5n2 PP: 14-20 Winter 1989  
ISSN: 0743-8613 JRNL CODE: IFS

ABSTRACT: Analysis of competitors' employees and executives, aided by commercial business **databases**, can enable a human resources (HR) department to **determine** which people and skills to bring into the company and serve as the foundation for...

... strategic business plans. A HR competitor intelligence system can help extrapolate a competitor's executive **succession** plans. It can **analyze** help-wanted advertisements and recruiters' interviews to **identify** competitors' business weaknesses as well as which **new products** the marketing department should introduce. The system functions as part of the human resource information system (HRIS) and consists of a set of conventional microcomputer software packages and specialized **databases** that can be connected to the company's mainframe HRIS, the corporate electronic mail system, and to public **databases**. With limited competitor intelligence information, the broad elements of a competitor's business strategy can be **determined**.

10/3,K/13 (Item 13 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00355240 87-14074

**Database Modeling: Maximizing the Benefits**

Courtheoux, Richard J.

Direct Marketing v49n11 PP: 44-51 Mar 1987  
ISSN: 0012-3188 JRNL CODE: DIM

ABSTRACT: Methodology and technical issues are important in modeling with **database** information, but the right decision-related issues must be addressed, and all available information must...

... average sale, credit, and conversion rates, have profit implications of similar importance. Strategic uses of **database** modeling technologies relate to business growth opportunities, which can come from remails, **new** promotional media, or **product** introduction. There is no substitute for information collection. Common sources other than in-house customer...

...modeling methodology should focus on: 1. checking the data for error, 2. knowing when the **analysis** reaches a point of diminishing **returns**, and 3. **determining** whether there is a holdout or validation sample. ...



10/3,K/14 (Item 14 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00283098 85-23532

**Selecting a DBMS: Match Every Application's Demand to Product's Capabilities**

Ossa, Eugene W.

Computerworld v19n25 PP: Special Report 30-31 Jun 24, 1985

ISSN: 0010-4841 JRNL CODE: COW

ABSTRACT: When selecting a commercial database management system ( DBMS ), prospective users should not only identify a package's inherent value, but they must also identify their own applications requirements, matching them with different products ' capabilities. A 6-step evaluation process will assist an organization in selecting the best DBMS for a particular set of applications: 1. Establish a selection and evaluation team. 2. Make a description of applications requirements. 3. Identify the criteria used for evaluation. 4. Assign specific weights to the criteria. 5. Rate the capabilities of each DBMS against the criteria. 6. Calculate the overall DBMS ratings. Successful use of this methodology requires extensive preparation and the involvement of the user at all...

10/3,K/15 (Item 15 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00253163 84-31724

**The New Strategic Business Resource: Information**

King, William R.

Planning Review v12n5 PP: 26-29 Sep 1984

ISSN: 0094-064X JRNL CODE: PLR

...ABSTRACT: on factors other than information, but focus may be achieved by using superior information. The knowledge - based society is widely predicted by futurists, but computers have not yet begun to translate their information bases into resources for success . Businesses must develop a strategic plan for information resource assessment; this plan will identify information that is crucial to an organization's strategy. Some firms use information resource assessment to create new information products or to transform data into different forms. The information resource assessment can influence change in the business strategy set and can...

10/3,K/16 (Item 16 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00227777 84-06338

**On the Importance of Functional Cost Data to Thrift Institutions**

Winger, Alan R.

Federal Home Loan Bank Board Journal v16n11 PP: 4-7 Dec 1983

JRNL CODE: FHL

...ABSTRACT: cost data, which refers to cost information categorized by firm activity that can be readily differentiated . The focus is on products or services. While estimating functional costs can be expensive, it is important for multi-product firms because different products will have different profit margins. The main problem in estimating functional costs is allocating common costs; this can be solved by setting up an effective...

... administration and custodial. Federal Reserve data on the profitability of such areas can help thrifts choose which areas to become involved in. Using this data , banks can compare their experience with the aggregate of banks of the same size. ...

10/3,K/17 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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13978652

**How September research has fared**

INVESTORS DIGEST

November 17, 2000

JOURNAL CODE: FIDT LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1345

... s growth strategy is focused on increasing the market share of its core products, and **identifying** and penetrating markets for **new products** that effectively leverage Royal's key technologies, vertical integration, and distribution channels," says Mr. McKinnell...

10/3,K/18 (Item 2 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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13345503 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Schlumberger Third Quarter 2000 Results**

CCN DISCLOSURE

October 18, 2000

JOURNAL CODE: WCCN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 2778

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... This technology, used in both Schlumberger PhaseTester(a) and PhaseWatcher(a) production well testing services, **determines** a well's oil, gas and water flow rates without the need to use a...

10/3,K/19 (Item 3 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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11814787 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**FirstWorld Provides Outlook on Anticipated Second Quarter And Year End Results; Announces Management Transition**

PR NEWSWIRE

July 05, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1232

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... FirstWorld is focused on maximizing revenue per customer and gross margin through the development of **new products** such as a robust managed server **product** and **new** valued-added managed services within its IDCs.

"In order for FirstWorld to solidify its position within the...

10/3,K/20 (Item 4 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2002 The Dialog Corp. All rts. reserv.

11291947 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Electrocomponents - Final Results**

REGULATORY NEWS SERVICE

May 31, 2000

JOURNAL CODE: WRNS LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 5954

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... with leading e-Procurement vendors over the year to help them serve our customers who **choose** this route of trading with us and recently we announced a non-exclusive marketing arrangement...largest Groupwide process with costs at over \$25m. The emphasis remains on developing consistent Groupwide **databases** for products, customers and suppliers. The importance of these has increased not only in order...

10/3,K/21 (Item 5 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2002 The Dialog Corp. All rts. reserv.

10153391 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**H.M. Treasury - Comp in UK Banking Rpt-Pt.2**  
REGULATORY NEWS SERVICE  
March 20, 2000  
JOURNAL CODE: WRNS LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 6936

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... and proposed policy interventions that are inappropriately focused on debt, such as bank finance for **knowledge based** businesses, with a view to redirecting the resources to equity support for SMEs. the Government...

10/3,K/22 (Item 6 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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06284579  
**Professor J.B. Joshi, Head, Chemical Engineering Division, UDCT**  
SECTION TITLE: Personality of the Month  
CHEMICAL BUSINESS  
June 30, 1999  
JOURNAL CODE: WCLB LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 3245

...of spoon feeding. Then there are periods of discussion and learning through the failures and **successes** of experiments and mathematical **analysis**. Finally, the students start arguing with confidence and the "driving force"gets reversed. Of course...

10/3,K/23 (Item 7 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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05097957  
**PR Newswire California Summary, Monday April 26, up to -2-**  
PR NEWswire  
April 26, 1999  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1334

... 02 r f bc-CA-Peregrine-Systems (SAN DIEGO) Peregrine Systems Strengthens Management Team with **New** Vice President of **Product** Marketing LAM056 04/26/

10/3,K/24 (Item 8 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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03026169

**Growing Demand for Internet Access Creates Opportunities for Satellite Systems**

BUSINESS WIRE

October 06, 1998

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 442

... information resources for executives in the telecommunications, satellite, Internet and cable industries. Some of its **products** include Via Satellite, Satellite News, ISP Business News and Communications Today. Phillips Business Information also hosts the annual Multimedia Via ...

10/3,K/25 (Item 9 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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03007479

**TiS Awarded Contract to Process Turkey's IRS Forms**

PR NEWSWIRE

October 05, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 567

... schedules, rapid technological change, changes and delays in product approval and introduction, customer acceptance of **new products**, the impact of competitive **products** and pricing, market acceptance, the lengthy sales cycle, proprietary rights of the Company and its...

10/3,K/26 (Item 10 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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03004461

**Battery Ventures Invests in SRR Solutions, an Upside Magazine "Hot 100" Software Company**

BUSINESS WIRE

October 05, 1998

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 636

...determine the appropriate line of credit that should be extended to that customer. SRR's **new** collections **product**, which complements its credit analysis product, organizes and automates the order-to-cash payment activities...

10/3,K/27 (Item 11 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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02953716

**SPEX Evaluates Leading Database Marketing and Marketing Automation Systems**

PR NEWSWIRE

September 28, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 661

... and electronic commerce). DBM is an emerging market populated by relatively small niche vendors. Key **product differentiators** include breadth of functionality, data analysis and segmentation facilities, third-party interfacing, deduplication, campaign/contact...

...Prime Response) \* Valex (Exchange Applications) SPEX analysts rigorously reviewed these products' common core functionalities to **determine** their value for global companies: \* Data Exploration and Data Mining \* Campaign

Management \* Call Center/Phone...

...as high as outstanding. Pricing, licensing and a comprehensive checklist are included in the SPEX **Database** Marketing and Marketing Automation kit to help companies analyze and select the right DBM package...

10/3,K/28 (Item 12 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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02951575

**ODS Networks and SAIC Join Forces in Network Security Market**

PR NEWSWIRE

September 28, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1227

... environmental systems and engineering. With the recent acquisition of Bellcore, SAIC and its subsidiaries have **estimated** annual **revenues** of \$4 billion and more than 33,000 employees at offices in over 150 cities ... but not limited to the following: the difficulties and uncertainties in successfully developing and introducing **new products**, market demand and acceptance of products, the impact of changing economic conditions, business conditions in...

... integration of acquired technologies and products, as well as risks concerning future technology and others **identified** in the Company's Annual Report on Form 10-K, Quarterly Reports on Forms 10...

10/3,K/29 (Item 13 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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02949258

**PeopleSoft Taps Fulcrum Knowledge Network To Speed Service, Ease Customers' Web Access**

BUSINESS WIRE

September 28, 1998

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 977

... in the client/server application software market, including technology change, changes in customer requirements, frequent **new product** introductions by competitors and emerging standards; dependence of the Company on the services market; reliance...

10/3,K/30 (Item 14 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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02890559

**Paragren Expands Tele-Trend Market Intelligence Service to Include Over 15,000 Household Panelists**

PR NEWSWIRE

September 22, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 799

... everything from evaluating the changes in market share and the reasons for these changes, to **determining** the business threat from established competitors, to evaluating new revenue opportunities," said Carol Elitov, Paragren...

... cards and pay-per-use intermittently and several months of data are required to accurately **identify** users of these products. Further, this

consistency allows customer attitudes and competitive influences to be...

... company's internal data by scoring panelists and applying those scores to the internal marketing **database**. This provides a uniquely effective link between opportunity **identification** and actual market programming and execution. While the service can be purchased as a whole...

10/3,K/31 (Item 15 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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02820973

**Infospace and D2K, Inc. Announce the Information Center for SAP**

PR NEWSWIRE

September 15, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1018

... Web-based reporting and analysis capabilities. To simplify the creation of the data warehouse, ICS **identifies** the tables and transactions within SAP; through metadata navigation, users create a roadmap to pick and **choose** the tables and columns needed to populate the data warehouse. Once the data is defined...

... D2K Tapestry server with support for sourcing from one SAP module and targeting one relational **database** and Infospace SpaceSQL with the metadata query wizard option and five concurrent user licenses. In...

... scalable to their requirements, enabling knowledge collaboration within and between work groups. D2K's flagship **product**, Tapestry, automates the **extraction**, transformation, and loading of SAP, PeopleSoft, mainframe, and relational data into a data warehouse or...a trademark of D2K, Inc. All other products or company names mentioned are used for **identification** purposes only, and may be trademarks of their respective owners./ /CONTACT: Margit Wennmachers of OutCast...

10/3,K/32 (Item 16 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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02814006

**Oracle Brings Sales Force Automation to the Web with Oracle Field Sales Online**

PR NEWSWIRE

September 15, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 714

... can easily access the application through the Web, view and update the information an organization **chooses** to share with them. Easy Web Interface Eliminates User Training Oracle Field Sales Online has...

... second largest software company. With annual revenues of \$7.5 billion, the company offers its **database**, application server, tools and application products, along with related consulting, education and support services, in...

... registered trademark of Oracle Corporation. All other products or company names mentioned are used for **identification** purposes only, and may be trademarks of their respective owners. /CONTACT: Carol Shen Sato of ...

10/3,K/33 (Item 17 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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02802669

**SAP Announces SAP HR 4.5 With Enhanced Functionality For Competency-Based Management, SAP Employee Self Service And Advanced Payroll Operations**  
BUSINESS WIRE

September 14, 1998

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1426

... can use this functionality to counsel and develop employees for future career growth and to **identify** and prepare successors for potential vacancies and forecasted needs. - Enables the creation of both general...

... Self Service Based on SAP Business Framework(tm), SAP Employee Self Service utilizes the same **database**, business logic, security, audit trail and workflow as core SAP enterprise applications to ensure that...

10/3,K/34 (Item 18 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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02770654

**Saehan Information Systems Inc.: World's First Audio-On-Demand Player**  
<SUBHEAD> The MPMan will download and play up to 500 songs at a fraction of conventional prices while protecting intellectual property rights.

<TEXT> A totally new musical medium is alr  
The MPMan will download and play up to 500 songs at a fraction of conventional prices while protecting intellectual property rights.  
<TEXT> A totally new musical medium is already on the market in Korea, ahead of everywhere else in the world. The MPMan is

BUSINESS KOREA

September 10, 1998

JOURNAL CODE: WBKO LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1241

... place." "By the latter half of next year, through effective PR for raising awareness, we **forecast** a sizable **return** on investment. With regard to the AOD business, there needs to be a quick road...

10/3,K/35 (Item 19 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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01862174 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**HNC Software Inc. Announces the Formation of HNC Insurance Solutions Business Unit**

BUSINESS WIRE

June 08, 1998 9:30

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 629

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... in the financial industry by 20-50 percent to review workers' compensation claim characteristics and **identify** those claims which fit historical patterns of fraud and abuse. VeriComp saves considerable time and...

... of fraudulent claims. eCMDirector, another new workers' compensation product, is a predictive software solution for **identifying** those claims that would benefit most from case management. eCMDirector reduces costs by more accurately **determining** which claims will benefit from case management and uses resources effectively by automating these decisions...

... Corporation products include PMAdvisor, which performs utilization review of physical medicine services, CompCompare, a benchmarking **database**, and ProviderComp, a physician profiling system.

CompReview is based in Costa Mesa, Calif. with a...

10/3,K/36 (Item 20 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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01666892 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Reuters New System Includes Detailed Market Guide Information**  
BUSINESS WIRE  
May 19, 1998 9:16  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 794

... with people who share these core values with us, and it is gratifying to be **chosen** as Reuters primary source of US fundamental data for world wide redistribution," said Homi M...

... real-time financial data, transaction systems, information management systems, access to numerical and textual historical **databases**, news, graphics, photos and news video. Information is obtained from more than 270 exchanges and...

... Internet. Market Guide specializes in the compilation, integration, display and delivery of a superior quality **database** of descriptive and analytic information on over 10,500 publicly traded domestic and foreign corporations...

10/3,K/37 (Item 1 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2002 Business Wire. All rts. reserv.

00278907 20000512133B9542 (USE FORMAT 7 FOR FULLTEXT)  
**SEDONA Corporation Teams With Profit Resources To Provide Enhanced CRM Profitability Management; Partnership to provide powerful advantages to both customer bases**  
Business Wire  
Friday, May 12, 2000 11:36 EDT  
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 735

...strategies to achieve highly competitive ROIs and efficiencies."

Using SEDONA's profitability management, users can **determine** which are their most profitable customers and the means to up-sell and cross-sell them **additional products** and services. It also helps **determine** unprofitable customers or households to enable the bank to deploy effective strategies to turn these...  
...Further, the profitability management component of SEDONA's CRM solution can also help financial institutions **determine** profitability at the market or branch level to allow them insight into how to better...

...do we most profitably market our products to our customers?'," said Gene Palm, President of **Profit Resources**. "By integrating our profitability **analysis** model into SEDONA's CRM solution, we can help all of our customers find answers to those key questions. We'll help them **identify** the 10 percent of their customers who are providing more than 90 percent of their...



...it is estimated  
that no more than 3,000 presently make use of a marketing **database** system  
with  
a profitability calculation factor within such a system.

About Profit Resources  
Profit Resources...

10/3,K/38 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2002 Resp. DB Svcs. All rts. reserv.

02481507 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Assistum** knowledge base computes with words using fuzzy logic  
(Assistum devises a knowledge base creation and decision-support tool that  
employs fuzzy logic to compute with words, providing simplified approach  
to fuzzy database creation)  
Electronic Engineering Times, p 58  
June 07, 1999  
DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 420

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...a set of interactive questions.

Choose strategies, priorities

For instance, Assistum's standard business-strategy **knowledge base**  
enables work groups to **choose** from among a set of competing business  
strategies. The business drivers **knowledge base**, likewise, helps a  
group **identify** the causes of its profitability or the blame for its  
losses. Similarly, the project selector **knowledge base** assigns  
priorities to internal projects and assesses their potential impact and  
chances of **success**. The pricing assistant helps **pick** a price point for  
**new products**. And the outsourcing **knowledge base** helps OEMs to  
decide which, if any, specific subsystems should be subcontracted to other  
manufacturers...

10/3,K/39 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2002 Resp. DB Svcs. All rts. reserv.

01895590 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**COMPAQ SCALES THE SUMMIT**  
(Compaq Computers has acquired for \$3 bil Tandem Computers)  
Computer Business Review, v 5, n 7, p N/A  
July 01, 1997  
DOCUMENT TYPE: Journal ISSN: 0161-7389 (United Kingdom)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 2681

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...100% uptime, have steadily declined. In October 1996, after two years  
of self-examination and **new product** development, the company broke  
from tradition and launched a line of NT servers, taking it...below both  
historical and industry standards. Although Tandem had returned to  
profitability in recent quarters, **revenue** growth was patchy, prompting  
**analysts** to **identify** Tandem as a potential takeover target. Indeed,  
much of the company's return to profit...

...the acquisition, Tandem seemed to be at a turning point. Mary Yushak of

Tandem corporate **planning** said **revenue** had stabilized and that the company was projecting revenues for the second half of 1997...

...s high-end ambitions. NonStop Software is a suite of server software incorporating a scalable **database**, online transaction processing monitor, and clustering software. ServerNet is the hardware that interconnects clustered servers...

...takeover may, however, result in a change of strategy for software sales. Tandem was conservatively **forecasting** \$50 million in ServerNet **revenues** in 1997, but Bill Heil, senior vice president and general manager of the ServerWare business...

...still be affected if those companies which are competitors to Compaq's hardware prefer to **choose** alternative software. Certainly new software is becoming available. In May, for example, Oracle announced support for two-way fail-over and four-way clustering, with a **new product**, Oracle Fail Safe, based on Wolfpack. This provides users with a standby server in the...processors, but MIPS RISC processors. It also has a proprietary operating system and a proprietary **database** - and customers like it. "Himalaya is the birthplace of our technology," says Rooke, "Our customers

...Tandem insists that Himalaya remains the primary development platform for NonStop, the company will deliver **new** ServerWare middleware **products** for NT in September, before they are available for Himalaya. Furthermore, Bill Heil had predicted...

10/3,K/40 (Item 3 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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01891465 (USE FORMAT 7 OR 9 FOR FULLTEXT)

ETCD: An everyday guide to the European consumer

(According to Taylor Nelson AGB, penetration of deodorants in Europe is 76% and penetration of facial skin care products is 45%)

European Cosmetic Markets, v 14, n 7, p 253+

July 1997

DOCUMENT TYPE: Journal; Ranking ISSN: 0957-1515 (United Kingdom)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 2659

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...manufacturers themselves? What does the ETCD data have to offer them?

Consumer usage can be **successfully analysed** at an individual country level, to quantify the true competitive environment for a brand -- perhaps

...The declared attitudes held by consumers can then be referred back to the brands they **choose** to use; enabling manufacturers to build up a complete picture of the type of people using their brand(s). For example, cluster analyses can be utilised to **identify** those people favouring special offers/price promotions versus those who prefer to opt for proprietary...

...of all panel members across Europe via the questionnaire. The ultimate flexibility of the PowerView **database** means that all the variables of consumer usage can be linked directly back to the store(s) favoured by users of **different product** types and brands. In this way, ETCD data can be used on a tactical level...

10/3,K/41 (Item 4 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2002 Resp. DB Svcs. All rts. reserv.

\* 01668494 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Products Prevent Churn Before It Happens**  
(Lightbridge launches products to aid carriers in saving customers before they churn; Churn Prophet is new software)  
Wireless Week, p 18+  
November 18, 1996  
DOCUMENT TYPE: Journal ISSN: 1085-0473 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 624

ABSTRACT:

Lightbridge Inc (Waltham, MA) is offering a **new** software **product** called Churn Prophet. This software **identifies** subscribers who are likely to switch carriers based on behavior and usage patterns. Lightbridge also...

...and searching for customers who fit the bill, Churn Prophet goes through a carrier's **database** and **identifies** which characteristics are driving churn, assesses the value of the customers and **analyzes** the financial **return** of various promotions. The causes of churn can change frequently and they are different for...

10/3,K/42 (Item 5 from file: 9)  
DIALOG(R) File 9:Business & Industry(R)  
(c) 2002 Resp. DB Svcs. All rts. reserv.

01433682 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**SAS Institute Lines Up Partners**  
(SAS Institute is seeking partners to help it develop multidimensional database-based software)  
Newsbytes News Network, p N/A  
March 11, 1996  
DOCUMENT TYPE: Journal (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 418

ABSTRACT:

...is seeking partners that can contribute to its development of a series of multi-dimensional **database** (MDDS)-based software packages in areas that include financial budgeting and **planning**, human resources (HR) **compensation analysis**, and computer systems **analysis**. The first **product** in the **new** series was SAS Solution for Financial Consolidation & Reporting, introduced about one month ago. The software...

...computer systems analysis application known as the SAS Solution for Computer Performance Evaluation, along with **database** reporting "tools." Its forthcoming decision support application for budgeting and planning will be an add...

...Business Solutions, the company is also looking into two other arenas for possible introduction of **new products**: "marketing, with a specific emphasis on data mining," and risk analysis. It is holding discussions...

...accompany SAS officials to meetings with high level officials of customer organizations, to help SAS **determine** what specific capabilities would be most useful, says McIntyre.

File 50:CAB Abstracts 1972-2002/Apr  
 (c) 2002 CAB International  
 File 143:Biol. & Agric. Index 1983-2002/Apr  
 (c) 2002 The HW Wilson Co  
 File 203:AGRIS 1974-2002/Mar  
 Dist by NAL, Intl Copr. All rights reserved  
 ?ds

Set	Items	Description
S1	1719869	FARM? OR PHARM? ? OR PHARMING? OR FIELD? ? OR AGRICULTUR? - OR GRANG? OR HOMESTEAD? OR PLANTATION? OR HACIENDA? OR AREA? ? OR LAND? ? OR TRACT? OR REAL()ESTATE OR ACRE? OR RANCH? OR H- ECTARE?
S2	4306219	S1 OR CROP? ? OR TYPE? OR PLANT? OR MONEYCROP? OR (CROP? OR PRODUCT? ?)(1W)INTEREST? OR HARVEST? ? OR PRODUCE OR PRODUCT? OR AGRIBUSINESS? OR SPECIES? OR GREENHOUSE? OR AGROFORESTY?
S3	386744	S2(5N)(NEW? ? OR SECOND OR 2ND OR ADDITIONAL OR ALTERNATIV- E? OR DIFFERENT? OR SUPPLEMENT? OR EXTRA? OR ANOTHER? OR AUGM- ENT? OR ADDED OR BACK()UP?)
S4	1559214	ANALYS? OR ANALYZ? OR FORECAST? OR ESTIMAT? OR PLAN OR PLA- NNED OR PLANNING OR CALCULAT? OR PICK? OR RECOMMEND? OR EVALU- AT? OR TARGET? OR PROJECT?
S5	27665	S4(5N)(PROFIT? ? OR EARNING? OR RETURN? ? OR SUCCESS? OR L- UCRATIVE? OR MONEY()MAKER? OR COMPENSATION? OR DIVIDEND? OR I- NCOME? OR PERCENTAGE? OR PROCEEDS OR RECEIVABLE? OR REVENUE? - OR ALLOCATION? OR MPF OR MOST()PROFITABLE()FARM?)
S6	3507	S3 AND S5
S7	555	S3(5N)S5
S8	6	S7 AND (DATABASE? OR DATA() (BASE? OR FILE?) OR DATABANK? OR DATA()BANK? OR KNOWLEDGEBASE? OR KNOWLEDGE()BASE? OR (EXPERT OR SMART)()SYSTEM? OR RDBM OR DBMS OR RDB OR DB OR DBS OR OOD- B)
S9	6	RD (unique items)
S10	11122	(INTERCROPP? OR CROP? ?)(5N)(REVENUE? OR PRICE? OR COST? ?)
S11	359	S10(5N)(PROJECTION? OR ESTIMAT? OR FORECAST?)
S12	8	S11 AND (DATABASE? OR SOFTWARE?)
S13	8	S12 NOT S9
S14	8	RD (unique items)
S15	355	S11 NOT PY=>2001
S16	314	RD (unique items)

9/5/1 (Item 1 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
(c) 2002 CAB International. All rts. reserv.

03841440 CAB Accession Number: 20000705548

**Optimizing time distribution of water supply and fertilizer nitrogen rates in relation to targeted wheat yields.**

Sandhu, K. S.; Arora, V. K.; Ramesh Chand; Sandhu, B. S.; Khera, K. L.  
Department of Soils, Punjab Agricultural University, Ludhiana 141 004,  
India.

Experimental Agriculture vol. 36 (1): p.115-125

Publication Year: 2000

ISSN: 0014-4797 --

Language: English

Document Type: Journal article

Long-term field experiments were conducted at six different sites (representing dryland and irrigated environments) in Indian Punjab with wheat (*Triticum aestivum*) on sandy loam soils to generate a **database** relating available water supply and fertilizer nitrogen (N) rate to grain yield. Stepwise multiple regression analysis showed that water supply and fertilizer N at more than 53 cm and 103 kg ha<sup>-1</sup> were unproductive. A method, based on the principle of equimarginal **productivity** of water in **different** periods of **crop** growth, was used to **estimate** the optimum **allocation** of the variable amounts of water supply over the growing season. The optimized quantities of water in different periods of crop growth were then employed to compute fertilizer N requirement to achieve a given yield target. For medium grain yield targets (4-5 t ha<sup>-1</sup>), the range of substitution between fertilizer N and water for efficient resource use was quite wide. 22 ref.

DESCRIPTORS: water supply; wheat; grain; productivity; regression analysis; yield targets; crop yield; fertilizers; nitrogen fertilizers; irrigation; irrigation requirements

ORGANISM DESCRIPTORS: *Triticum aestivum*; *Triticum*

GEOGRAPHIC NAMES: India; Indian Punjab

BROADER TERMS: *Triticum*; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; South Asia; Asia; Developing Countries; Commonwealth of Nations; India

CABICODES: Plant Production (FF100); Fertilizers and other Amendments (JJ700); Soil Water Management (JJ800)

9/5/2 (Item 2 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
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02941398 CAB Accession Number: 942402537

**Evaluating area in logging trails with a geographic information system.**

Bettinger, P.; Armlovich, D.; Kellogg, L. D.

Department of Forest Engineering, College of Forestry, Oregon State University, Corvallis, OR 97331, USA.

Transactions of the ASAE vol. 37 (4): p.1327-1330

Publication Year: 1994

ISSN: 0001-2351 --

Language: English

Document Type: Journal article

A geographic information system (GIS) was used to **evaluate** the **percentage area** subjected to **different** numbers of machine passes in logging trails. Preharvest logging trail surveys and observations of machine movements during harvesting were transferred to a GIS to determine areas. Detailed procedures and time required to build the GIS **database** are presented. There was excellent agreement between the trail area estimates based on the GIS **database** and those from an independent, line-transect method. However, the line-transect method gives no information on the number of machine passes. 27 ref.

DESCRIPTORS: soil compaction; forestry machinery; mapping; information systems; forest trails; logging machines; movement; logging; trails;

measurement; geographical information systems  
GEOGRAPHIC NAMES: USA  
BROADER TERMS: Developed Countries; North America; America; OECD  
Countries  
CABICODES: Forest Mensuration & Management (KK120); Information & Library  
Sciences (CC300); Wood Processing (KK515); Soil Physics (JJ300); Crop  
Harvesting Equipment (NN453); Materials Science (ZZ200)

9/5/3 (Item 3 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
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02915387 CAB Accession Number: 942402344  
**Decision support system for crop planning and equipment selection for developing countries.**  
Singh, G.; Chandraratne, I. W. D. T.  
Agricultural and Food Engineering Program, Asian Institute of  
Technology, Bangkok, Thailand.  
Conference Title: XII World Congress on Agricultural Engineering:  
Volume 2. Proceedings of a conference held in Milan, Italy, August 29 -  
September 1 1994.  
p.1111-1119  
Publication Year: 1994  
Publisher: CIGR, General Secretariat -- Merelbeke, Belgium  
Language: English  
Document Type: Conference paper  
A decision support system (DSS) was developed for crop planning and  
equipment selection based on the situation in Sri Lanka. The program  
extracts information from 3 **data files** containing crop, equipment and  
general socio-economic data. The DSS first suggests the most profitable  
crop plan for the available resources specified by the user. Using the  
resulting plan as the input or a user-defined input, it predicts the  
optimum power system for the situation along with appropriate equipment  
for all operations and monthly labour demand for all farming activities.  
Finally it produces a report which includes annual, seasonal and per unit  
crop area figures for total output, cost and **profit**. The program was  
**evaluated** with 2 **different** holding size **farms** in Sri Lanka and the  
results obtained were similar to those expected in a real situation. 10  
ref.

DESCRIPTORS: farm machinery; selection; farm management; decision making;  
**expert systems**; computer software  
IDENTIFIERS: World congress on agricultural engineering  
GEOGRAPHIC NAMES: Sri Lanka; Developing countries  
BROADER TERMS: South Asia; Asia; Commonwealth of Nations; Developing  
Countries  
CABICODES: Farming Systems & Management (EE200); Information & Library  
Sciences (CC300)

9/5/4 (Item 4 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
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02759339 CAB Accession Number: 931181405  
**Pesticide use and pesticide policy in the Netherlands: an economic  
analysis of regulatory levies in agriculture.**  
Oskam, A. J.; Zeijts, H. van; Thijssen, G. J.; Wossink, G. A. A.;  
Vijftigschild, R.  
Department of Agricultural Economics, Wageningen Agricultural  
University, Hollandsweg, Wageningen 6706 KN, Netherlands.  
xi + 155 pp.  
Publication Year: 1992  
Wageningen Economic Studies 26  
Publisher: Centre for Agricultural Publishing and Documentation (PUDOC)  
-- Wageningen, Netherlands  
ISBN: 90-6754-232-6

Language: English

Document Type: Miscellaneous

A broad overview of the use and application of pesticides in Dutch agriculture is presented. Compared with surrounding countries, pesticide application in Dutch arable farming and horticulture is very high, mostly because the production systems are intensive. The data used in the study are from a **database** partly compiled from an inventory study related to the Long-term Crop Protection Plan (LCPP) for the Netherlands. The targets of Dutch pesticide policy and the instruments available to implement this policy are explained. Pesticide use and policy in Sweden and Denmark is analysed, and information and research results for some other European countries are also presented. The main purpose of the study is to derive the level at which a regulatory levy needs to be imposed in order to reach the targeted reductions in pesticide use formulated in the LCPP. A chapter on theory, discussing ways of investigating how prices affect pesticide use, precedes the chapters devoted to the empirical research. Two different approaches were used in this study: an econometrically estimated model, based on observed behaviour in the past, and representative linear programming (LP) models that enable the effects of new technologies to be studied. The different models estimated substantially different levies necessary to reach targeted levels by the year 2000: the LP model gave an estimate of Dfl 10-25/kg a.i., while the econometric model estimated that a levy of Dfl 100/kg would be necessary. The income effects for **different types of farms** and **different parts of the agricultural sector** are derived. The **estimated income** effects are smaller than those **estimated** in the LCPP. The study also considers a policy of banning the use of certain compounds.

DESCRIPTORS: herbicides; legislation; economics; levies; **databases** ; pesticides; usage; regulations; economic impact; insecticides; agricultural entomology

GEOGRAPHIC NAMES: Netherlands; Europe

BROADER TERMS: pesticides; Western Europe; Europe

CABICODES: Weeds & Noxious Plants (FF500); Economics (General) (EE100); Laws & Regulations (DD500); Information & Library Sciences (CC300); Input Supply Industries (EE140); Control by Chemicals & Drugs (HH400)

9/5/5 (Item 1 from file: 203)

DIALOG(R)File 203:AGRIS

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02148566 AGRIS No: 97-101038

**Kmetija (farm) - computer aided decision support system (Kmetija - racunalnisko podprt sistem za pomoc pri odlocanju)**

Udovc, A. (Ljubljana Univ. (Slovenia). Biotechnical Fac., Agronomy Dept.)

Journal: Sodobno kmetijstvo, 1997, v. 30(1) p. 3-7

Notes: 3 ill., 5 ref. ISSN: 0350-1655

Language: Slovenian Summary Language: English, Slovenian

Place of Publication: Slovenia

Availability: Slovenia Center

Document Type: Journal Article, Summary

Journal Announcement: 2308 Record input by Slovenia

Abstract in English

Article describes developed model of a typical Slovene farm and on its basis constructed computer aided decision support system called KMETIJA. Flexible **data banks** allow user to build up a production structure according to his own needs and wishes, for the use in simulation process. As a result of simulation user obtains a plan production for the chosen structure, and balance for both, labour and machinery needs, by decades. The data from the simulation are further used to **calculate** gross margin, depreciation and **income** for a simulated **farm**. As **additional** decision support is in the system included a calculation of investments with help of net present value method and a determination of the optimal moment for the changes of the existing agricultural machinery.

Descriptors in English: \*FARM MANAGEMENT; \*FARM PLANNING; \*DECISION

MAKING; \*SIMULATION MODELS; \*DATA COLLECTION; \*EQUIPMENT; \*COMPUTER APPLICATIONS; \*COMPUTER SOFTWARE; \*SLOVENIA; BALKANS; BUSINESS MANAGEMENT; EUROPE; INFORMATION PROCESSING; INFORMATION SCIENCE; MANAGEMENT; MATHEMATICAL MODELS; MODELS; PLANNING;  
Section Headings: E20 (ECONOMICS, DEVELOPMENT, AND RURAL SOCIOLOGY -- Organization, administration and management) ; E16 (ECONOMICS, DEVELOPMENT, AND RURAL SOCIOLOGY -- Production economics) ; U10 (AUXILIARY DISCIPLINES -- Mathematics and statistics)

9/5/6 (Item 2 from file: 203)  
DIALOG(R)File 203:AGRIS  
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01824410 AGRIS No: 95-000267

**Information for development: a model for the delivery of information in developing countries**

Johnson, P. (Minnesota Univ., St. Paul (USA). St. Paul Campus Libraries)  
Conference Title: International Symposium on New Information Technologies in Agriculture  
Conference Location and Year: Bonn (Germany), 10-12 Nov 1993  
Journal: Quarterly Bulletin of IAALD, Jan-Jun 1994, v. 39(1-2) p. 76-81  
Notes: 6 ref. ISSN: 1019-9926  
Language: English Summary Language: German, English, Spanish, French  
Place of Publication: IAALD  
Document Type: Journal Article, Conference, Summary  
Journal Announcement: 2101 Record input by United Kingdom  
Abstract in English

This paper analyzes implementation of a CD-ROM **databases** project at the Institut Agriculture et Veterinaire Hassan II (Rabat, Morocco) as a model for similar projects. Rather than a simple "how-to-do-it" report, this paper explores the broader concerns of training, sustainability, continuing linkages, and support through document delivery that must accompany all access to bibliographic **databases** in developing countries. The paper concludes with a list of **recommendations** that can provide guidance for **successfully** implementing **new** information technologies for **agriculture** information in developing countries.

Descriptors in English: \*DEVELOPING COUNTRIES; \*DIFFUSION OF INFORMATION; \*TECHNOLOGY TRANSFER; \*TECHNOLOGICAL CHANGES; \*TRAINING; \*TRAINING PROGRAMMES; \*SUSTAINABILITY; CURRICULUM; ECONOMIC GEOGRAPHY; EDUCATION ; TEACHING;

**Identifiers in English**

Identifiers: training methods; training objectives; learning strategies; professional recognition; information scientists

Section Headings: C30 (EDUCATION, EXTENSION, AND ADVISORY WORK -- Documentation and information) ; C10 (EDUCATION, EXTENSION, AND ADVISORY WORK -- Education)



14/5/1 (Item 1 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
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03698756 CAB Accession Number: 991802369

**Estimating field machinery cost: a whole farm approach.**

Robb, J. G.; Smith, J. A.; Ellis, D. E.

Livestock Marketing Information Center, 655 Parfet Suite E310, Lakewood,  
CO 80215-5517, USA.

Journal of Natural Resources and Life Sciences Education vol. 27  
p.25-29

Publication Year: 1998

ISSN: 1059-9053 --

Language: English

Document Type: Journal article

The paper describes a Lotus 1-2-3 spreadsheet program that has been developed at the University of Nebraska, USA, to calculate machinery costs on a whole farm level. The Whole Farm Machinery Cost Program **estimates** machinery **costs** for multiple enterprises or **crops**, allows flexibility in field operation parameters to accurately reflect machinery field requirements under various conditions, and summarizes results for a whole farm analysis. The program is designed to provide machinery costs on a per-hour and per-acre basis. Field operations are summarized by crop enterprise to obtain cumulative ownership, repair, labour, and fuel costs per acre. Results from the program may be transferred to other decision aid or budgeting applications. This program has been useful for: (i) teaching fundamentals of machinery cost analysis to producers and within the traditional classroom; and (ii) applied multidisciplinary research projects. 18 ref.

DESCRIPTORS: farm machinery; cost analysis; computer **software**; teaching materials

GEOGRAPHIC NAMES: USA

BROADER TERMS: Developed Countries; North America; America; OECD Countries

CABICODES: Information & Library Sciences (CC300); Farm Input Utilization (EE145); Agricultural & Forestry Equipment (General) (NN400); Educational & Training Aids (CC100)

14/5/2 (Item 2 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
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03370608 CAB Accession Number: 972301131

**GESTINF: a decision model for post-emergence weed management in soybean (Glycine max (L.) Merr.).**

Berti, A.; Zanin, G.

Centro di Studio sulla Biologia ed il Controllo delle Piante Infestanti,  
C.N.R., Agripolis, 35020 Legnaro (PD), Italy.

Crop Protection vol. 16 (2): p.109-116

Publication Year: 1997

ISSN: 0261-2194 --

Language: English

Document Type: Journal article

The selection of the best weed control option can be improved using decision-support systems considering the different factors affecting the efficacy (weed species, growth stage, climatic conditions) and the economics of the treatments. An interactive microcomputer program called GESTINF has been developed to assist in the selection of weed control options in soyabean and winter wheat. Using observed weed densities, **crop** weed-free yield and grain **price** as input data, the program **estimates** potential crop damage from multispecies weed complexes and ranks the different weed control options according to expected net returns. The program also gives estimates of yield loss due to weeds surviving the treatment and an environmental index indicating how hazardous the treatment is for the water table, thus allowing a selection of treatments both on an economic and an environmental basis. The system has been tested

for 4 years in different locations of north-eastern Italy. The system forecasted the yield losses observed in the field fairly accurately and proved capable of selecting appropriate interventions on the basis of type of flora and weed growth stage. 28 ref.

DESCRIPTORS: economic thresholds; environmental impact; management; soyabeans; wheat; weeds; weed control; models; decision making; crop yield; computer **software** ; growth stages  
ORGANISM DESCRIPTORS: glycine max; Triticum aestivum; Glycine (Fabaceae); Triticum  
GEOGRAPHIC NAMES: Italy  
BROADER TERMS: Glycine (Fabaceae); Papilionoideae; Fabaceae; Fabales; dicotyledons; angiosperms; Spermatophyta; plants; Triticum; Poaceae; Cyperales; monocotyledons; Developed Countries; European Union Countries; Mediterranean Region; OECD Countries; Southern Europe; Europe  
CABICODES: Weeds & Noxious Plants (FF500); Mathematics & Statistics (ZZ100); Pathogen, Pest & Parasite Management (General) (HH000); Farm Input Utilization (EE145); Plant Production (FF100)

14/5/3 (Item 3 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
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03053334 CAB Accession Number: 950403939

**Economical evaluation of the use of intercropped cultures for the feeding of dairy cows in milk production systems.**

Cino, D. M.; Sistachs, M.; Melendez, J. F.  
Instituto de Ciencia Animal, Apartado 24, San Jose de las Lajas, La Habana, Cuba.

Cuban Journal of Agricultural Science vol. 28 (2): p.149-155

Publication Year: 1994

ISSN: 0034-7485 --

Language: English

Document Type: Journal article

The economic possibilities of using intercropped cultures for forage production for dairy cattle feeding were studied. Data were taken from an experiment carried out at the Institute of Animal Science, La Habana, Cuba, where the intercropping of different species (soyabeans, maize and dolichos, Lablab purpureus) were evaluated at sowing time in a Brachiaria purpurascens cv. Aguada grassland. The cost of each treatment was determined using a random-block design. A technical and economic analysis using the ANALIT computer program was carried out in order to estimate the milk production potential from a feeding system with pasture plus forage from the intercropping. In addition, the possible number of animals to be fed according to the availabilities of each treatment was considered and the expected profit in terms of the **estimated** milk yield was calculated. Maize **intercropping** showed the lowest **cost** /t of DM, while Lablab purpureus and soyabeans offered the greatest possibilities for producing milk and feeding a greater number of animals, showing an increase >3 litres/cow per day with respect to the alternative of supplying pasture alone in the diets. These treatments also contributed the highest profit. 15 ref.

DESCRIPTORS: cows; dairy cows; forage; costs; computer **software** ; milk production; feed intake; prediction; feed formulation; milk yield; dairy farms; farming systems; cropping systems; intercropping; economics; economic evaluation; grazing; feeding; soyabeans; maize; supplements

ORGANISM DESCRIPTORS: cattle; brachiaria mutica; Lablab purpureus; Glycine (Fabaceae); Zea mays

GEOGRAPHIC NAMES: Cuba

BROADER TERMS: mammals; vertebrates; Chordata; animals; female animals; females; dairy cattle; cattle; Bos; Bovidae; ruminants; Artiodactyla; ungulates; milk yielding animals; food animals; Brachiaria; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; Lablab; Papilionoideae; Fabaceae; Fabales; dicotyledons; Zea; Latin America;

Developing Countries; Greater Antilles; Caribbean; America  
CABICODES: Animal Husbandry (Dairy) (LL110); Animal Nutrition (Production Responses) (LL520); Feed Products (Non-human) (RR000); Feed Additives (RR130); Farming Systems & Management (EE200); Farm Input Utilization (EE145); Food Industry (EE520)

14/5/4 (Item 4 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
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02765430 CAB Accession Number: 931982579

**A knowledge-based system for preliminary selection and economic evaluation of sprinkler irrigation systems.**

Kumar, D.; Heatwole, C. D.; Ross, B. B.; Dillaha, T. A.  
Dept. of Agricultural Engineering, Virginia Tech., Blacksburg, USA.  
Applied Engineering in Agriculture vol. 8 (4): p.441-447  
Publication Year: 1992  
ISSN: 0883-8542 --  
Language: English  
Document Type: Journal article

A knowledge-based system (KBS) was developed to be used by farmers and extension agents for preliminary economic analysis of irrigation systems. The system developed is simple to use, minimizes user input, and provides quick evaluation of centre-pivot, travelling gun, and portable pipe systems for site-specific conditions. The KBS has three major components. A rule based expert system serves as system integrator, controls information flow, interacts with user, accesses **databases**, selects appropriate irrigation systems based on site characteristics, and runs irrigation cost models. **Databases** provide soil, crop, and drought information, greatly reducing the input required of the user. The irrigation cost models **estimate** total annualized **cost** and incorporate **crop** yield **estimates** with user-specific high and low **crop** **prices** to **estimate** profit for each irrigation system. 14 ref.

DESCRIPTORS: Irrigation systems; centre pivot irrigation; economics; expert systems; Information systems; selection; irrigation; costs; profitability; decision making

CABICODES: Economics (General) (EE100); Information & Library Sciences (CC300); Agricultural Economics (EE110); Laws & Regulations (DD500); Administration of Agencies & Organizations (DD100); Extension & Advisory Work (CC200); Sociology (General) (UU000); Soil Water Management (JJ800); Irrigation & Drainage Equipment (NN440); Farming Systems & Management (EE200)

14/5/5 (Item 5 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
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02581091 CAB Accession Number: 921897308

**Agricultural supply model and the Common Agricultural Policy: data and estimates for linear programming.**

Original Title: Modele d'offre agricole et Politique Agricole Commune: donnees et estimations pour les programmes lineaires.

Jayet, P. A.; Hofstetter, A.  
Etudes et Recherches - Economie de Sociologie Rurales Grignon/Institut National de la Recherche Agronomique  
(No. 10): 151pp.  
Publication Year: 1991  
1 tab., 25 fig. --  
Language: French  
Document Type: Miscellaneous

France's AROPAJ agricultural supply model uses, as its main data source, the data base of the national farm accounting data network (FADN). A sample from this **database** was used to calculate all the model parameters. The values for which the optimization is to be made are assigned to the parameters. In some cases, however, the sample variables

do not correspond directly to model parameters and in these cases special estimating techniques are used. Some coefficients are affected by factors such as variable costs, yields and resources determining 'semi-fixed' factors, or by characteristics of the economic environment (prices, production taxes and other aspects of agricultural policies). One example of this has been the **estimation** of variable costs by crop and by group of producers. **Estimates** are made in this case using covariance analysis. Results are mapped by departments showing variable costs for eight crops. Pages 35 et seq of this document consist of appendices detailing the results of the models of covariance analysis in the form of computer print-out. 7 ref.

DESCRIPTORS: Linear programming; Crops; Supply; models  
GEOGRAPHIC NAMES: France  
BROADER TERMS: Western Europe; Europe; Mediterranean Countries  
CABICODES: Agricultural Economics (EE110)

14/5/6 (Item 6 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
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02290047 CAB Accession Number: 902445830  
Estimating **machinery** costs for crop enterprises.  
Givan, W. D.  
University of Georgia, Athens, GA 30602, USA.  
Conference Title: Proceedings of the 2nd international conference on computers in agricultural extension programs, Florida, USA, 10-11 February 1988  
p.399-404  
Publication Year: 1988  
Editors: Zazueta, F.S.; Bottcher, A.B.  
Publisher: Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences -- Gainesville, Florida, USA  
Language: English  
Document Type: Conference paper  
A computer package is described for estimating variable and fixed costs for farm equipment. The first worksheet of the program permits the operator to select the field operations that he uses and enter the number of times this operation is performed. Fuel consumption, equipment repairs and labour use are calculated by using default values for machinery costs and performance rates. The second worksheet estimates fixed costs (depreciation, housing, taxes, etc.). Examples of calculations are shown for Georgia, USA. 2 ref.

DESCRIPTORS: Farm machinery; fixed costs; computer **software** ; variable costs; Costs  
IDENTIFIERS: International conference on computers in agricultural extension programs  
CABICODES: Input Supply Industries (EE140); Information & Library Sciences (CC300); Farm Input Utilization (EE145)

14/5/7 (Item 7 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
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02125606 CAB Accession Number: 891868042  
**Specification issues in agricultural supply.**  
McIntosh, C. S.  
Dissertation Abstracts International, A (Humanities and Social Sciences) vol. 49 (5): p.1218  
Publication Year: 1988  
Diss., Texas A&M University, 1987, 267pp., available from University Microfilms, Inc.  
Order Number: DA8808802 --  
Language: English  
Document Type: Journal article

The study investigates the choice of proxies for the unobserved variables-output price expectations and government policy variables, used in the analysis of agricultural supply response. Microcomputer **software** for the calculation and evaluation of Bayesian composite forecasts using matrix beta priors was developed. Prior subjective outperformance probabilities from four experts were used to form Bayesian composite pig price forecasts. The composite forecasts achieved a lower mean squared forecast error than the individual forecasts over the period studied. An indirect test was applied to examine the significance of the improvements in mean squared **forecast** errors. Three **price** expectation series were constructed for **crops** produced under government programmes in Iowa and Texas: (1) quasirational expectations based on cash prices; (2) futures-based expectations based on futures market information; and (3) a composite expectation based on the above series. The composite series generally achieved a lower mean squared forecast error than the individual series. The price expectation series were each used alone and in two different combinations with effective support prices to form nine different specifications for each state. These were sequentially imposed on a dual restricted profit function model to examine the appropriateness of each specification. The results support the use of composite price expectations and demonstrate the importance of government support prices in modeling agricultural supply. Using the composite price expectations for the programme crops, nine alternative specifications of government policy information were developed and examined. The specifications were sequentially imposed on the dual model of agricultural supply. Non-nested tests of hypotheses, out-of-sample predictive accuracy and theoretical consistency were examined. The results document that agricultural producers in individual states respond differently to government programmes. They also suggest caution in using non-nested hypothesis tests alone as a model selection criterion.

DESCRIPTORS: Prices; forecasts; methodology; Crops

ORGANISM DESCRIPTORS: Pigs

GEOGRAPHIC NAMES: USA

BROADER TERMS: Sus; Suidae; Suiformes; Artiodactyla; mammals; vertebrates  
; Chordata; animals; Sus scrofa; ungulates; North America; America

CABICODES: Agricultural Economics (EE110); Techniques & Methodology  
(ZZ900); Farming Systems & Management (EE200)

14/5/8 (Item 8 from file: 50)

DIALOG(R)File 50:CAB Abstracts

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01356232 CAB Accession Number: 821893681

**A powerful new management tool: computers for agribusiness.**

Freivalds, J.

Agribusiness Worldwide vol. 3 (7): p.46-64

Publication Year: 1982

ISSN: 0199-1671

fig., pl., OAE --

Language: English Summary Language: spanish

Document Type: Journal article

The increasing complexity of agribusiness and the need to find maximum returns have led governments as well as private agribusiness decision-makers to develop and utilize computer programmes as a management tool. Computer hardware manufacturers have begun developing **software** designed for agribusiness uses. In addition, hundreds of smaller firms have been created in recent years that have developed **software** and computer consulting services. The chief agribusiness areas in which computer **software** and hardware are now offered include: farm management; **crop** and **price forecasting**; animal feed formulation; and agribusiness management accounting. Also provided (pp. 61-64) is a selective list of suppliers of computer equipment and services for agribusiness.

DESCRIPTORS: agribusiness; management; computers

CABICODES: Distribution & Marketing of Products (EE700); Food Science &  
Food Products (Human) (QQ000); Extension & Advisory Work (CC200)

File 442:AMA Journals 1982-2002/Jun B1  
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 File 149:TGG Health&Wellness DB(SM) 1976-2002/May W3  
 (c) 2002 The Gale Group  
 File 444:New England Journal of Med. 1985-2002/Jun W1  
 (c) 2002 Mass. Med. Soc.

?ds

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S1	242578	FARM? OR PHARM? ? OR PHARMING? OR FIELD? ? OR AGRICULTUR? - OR GRANG? OR HOMESTEAD? OR PLANTATION? OR HACIENDA? OR AREA? ? OR LAND? ? OR TRACT? OR REAL()ESTATE? OR ACRE? OR RANCH? OR - HECTARE? OR INTERCROPP?
S2	197037	CROP? ? OR PLANT? ? OR MONEYCROP? OR (CROP? ? OR PRODUCT? ?)(1W)INTEREST? OR HARVEST? ? OR PRODUCE OR PRODUCT? ? OR AGR- IBUSINESS OR SPECIES OR GREENHOUSE? OR AGROFORESTRY?
S3	26936	S2(5N)(NEW? ? OR SECOND OR 2ND OR ADDITIONAL OR ALTERNATIV- E? OR DIFFERENT? OR SUPPLEMENT? OR EXTRA? OR ANOTHER? OR AUGM- ENT? OR ADDED OR BACK()UP?)
S4	468725	ANALYS? OR ANALYZ? OR FORECAST? OR ESTIMAT? OR PLAN OR PLA- NNED OR PLANNING OR CALCULAT? OR PICK? OR RECOMMEND? OR EVALU- AT? OR TARGET? OR PROJECT
S5	19982	S4(5N)(PROFIT? ? OR EARNING? OR RETURN? ? OR SUCCESS? OR - LUCRATIVE OR MONEYSMAKER? OR COMPENSATION OR DIVIDEND? OR INCO- ME? OR PERCENTAGE? OR PROCEEDS OR RECEIVABLE? OR REVENUE? OR - ALLOCATION? OR MPF OR MOST()PROFITABLE()FARM?)
S6	120	S3(S)S5
S7	21	S3(5N)S5
S8	21	S7 NOT PY=>2001
S9	21	RD (unique items)

070

9/3,K/1 (Item 1 from file: 442)  
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00026415  
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**The Economic Costs of Schizophrenia; Implications for Public Policy (ORIGINAL ARTICLE)**

ANDREWS, GAVIN; HALL, WAYNE; GOLDSTEIN, GREGORY; LAPSLEY, HELEN; BARTELS, ROBERT; SILOVE, DERRICK  
Archives of General Psychiatry  
June, 1985; 42: 537-543  
LINE COUNT: 00528 WORD COUNT: 07296

... estimated to equal the expected lifetime earnings for the period after diagnosis.

The average forgone **earnings** per case were **calculated**. The total forgone **earnings** then were the **product** of the number of **new** cases of that outcome in the year and the average forgone earnings per patient of...

9/3,K/2 (Item 1 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
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01959223 SUPPLIER NUMBER: 68727189 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Reporting Outcomes for Stage IV Pressure Ulcer Healing: A Proposal. (Statistical Data Included)**

Brown, Gregory S.  
Advances in Skin & Wound Care, 13, 6, 277  
Nov,  
2000

DOCUMENT TYPE: Statistical Data Included PUBLICATION FORMAT:  
Magazine/Journal; Refereed ISSN: 1527-7941 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Professional  
WORD COUNT: 3543 LINE COUNT: 00349

... WOUND--LEFT TROCHANTER STAGE IV  
(TABULAR DATA NOT REPRODUCIBLE IN ASCII)  
(1) Wound area is **calculated** from linear measurements.  
(2) **Percentage** of original wound area is **calculated**.  
(3) **Percentage** reduction in area is **extrapolated** between actual measurements ( **product** of old percentage minus **new** percentage divided by number of treatment days between measurements).  
(4) The treatment day at which...

9/3,K/3 (Item 2 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
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01858586 SUPPLIER NUMBER: 55821650 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**symposium. (opposing views on fairness of U.S. anti-AIDS drug makers to Africa)**

WEISSMAN, ROBERT; LOPEZ, NAOMI  
Insight on the News, 15, 34, 40  
Sept 13,  
1999

PUBLICATION FORMAT: Magazine/Journal ISSN: 1051-4880 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Consumer  
WORD COUNT: 3247 LINE COUNT: 00279

... ability of the owner to engage in the kind of research and development necessary to **produce new** and helpful **products**. While enjoying record **profits**, pharmaceutical companies become easy **targets** for activists who equate **profit** with corporate greed. But policymakers

should realize that while targeting the innovators may be politically...

9/3,K/4 (Item 3 from file: 149)

DIALOG(R)File 149:TGG Health&Wellness DB(SM)

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01818629 SUPPLIER NUMBER: 53881532 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**REGIONAL NEWS: NORTHEAST. (multiple brief articles) (Brief Article)**

Modern Healthcare, 32(1)

Feb 8,

1999

DOCUMENT TYPE: Brief Article PUBLICATION FORMAT: Magazine/Journal ISSN:

0160-7480 LANGUAGE: English RECORD TYPE: Fulltext TARGET AUDIENCE:

Professional

WORD COUNT: 614 LINE COUNT: 00055

EVENT CODES/NAMES: 220 Strategy & **planning** ;830 Sales, **profits** &  
**dividends** ;443 **New** capacity, **new** **plant** construction;980 Legal  
issues & crime

9/3,K/5 (Item 4 from file: 149)

DIALOG(R)File 149:TGG Health&Wellness DB(SM)

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01816003 SUPPLIER NUMBER: 53638433 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**1999 slate of candidates.**

AORN Journal, 69, 1, 81(1)

Jan,

1999

PUBLICATION FORMAT: Magazine/Journal ISSN: 0001-2092 LANGUAGE: English

RECORD TYPE: Fulltext TARGET AUDIENCE: Professional; Trade

WORD COUNT: 11323 LINE COUNT: 00928

... our venture into subsidiaries to ensure our financial success.  
Astute fiscal accountability has led to **evaluation** of the **return** on  
investment of **new** and existing **products** and services.

During my past four years on the Board of Directors, I have  
demonstrated...

9/3,K/6 (Item 5 from file: 149)

DIALOG(R)File 149:TGG Health&Wellness DB(SM)

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01755259 SUPPLIER NUMBER: 20387935 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Provident 'accident' DI targets middle-market. (Provident Life and Accident  
Insurance Co., disability insurance) (Product Announcement)**

Koco, Linda

National Underwriter Life & Health-Financial Services Edition, v102, n10,  
p27(2)

March 9,

1998

DOCUMENT TYPE: Product Announcement PUBLICATION FORMAT: Magazine/Journal

ISSN: 0893-8202 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

TARGET AUDIENCE: Trade

WORD COUNT: 1157 LINE COUNT: 00098

ABSTRACT: Provident Life and Accident Insurance Co. has introduced a **new**  
disability insurance (DI) **product** specifically **targeted** at middle-  
**income** policyholders. Accident **Income** Recovery has a maximum payout of  
\$3,000 per month. The DI policy, which has...

9/3,K/7 (Item 6 from file: 149)

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01686926 SUPPLIER NUMBER: 19365526 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**The Journal of Abnormal Child Psychology at 25.**

Wasserstein, Shari B.; Lopez, Nadja; Routh, Donald K.

Journal of Abnormal Child Psychology, v25, n1, p1(5)

Feb,

1997

PUBLICATION FORMAT: Magazine/Journal ISSN: 0091-0627 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Academic; Professional

WORD COUNT: 1902 LINE COUNT: 00172

... a research institution such as the U.S. National Institute of Mental Health or the New York State Psychiatric Institute). Pearson product-moment correlation coefficients were calculated to determine if the percentages of articles with the different types of first author affiliation changed over time. Correlations of...

9/3,K/8 (Item 7 from file: 149)

DIALOG(R)File 149:TGG Health&Wellness DB(SM)

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01635930 SUPPLIER NUMBER: 18660298 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**O-T-C smoking cessation products create new niche. (over-the-counter nicotine replacement therapies)**

Chain Drug Review, v18, n14, p51(2)

August 12,

1996

PUBLICATION FORMAT: Magazine/Journal ISSN: 0164-9914 LANGUAGE: English

RECORD TYPE: Fulltext TARGET AUDIENCE: Trade

WORD COUNT: 1897 LINE COUNT: 00154

... decided to quit and suggest ways to stay focused on their quitting goal."

Establishing a new category may initially make a product the leader, but careful planning is required to stay successful, says Willard Bishop, an expert in O-T-C merchandising and consultant to SmithKline for...

9/3,K/9 (Item 8 from file: 149)

DIALOG(R)File 149:TGG Health&Wellness DB(SM)

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01495990 SUPPLIER NUMBER: 15970816 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Trends in foods. (nutrition-conscious consumers affect the food industry)**

Stillings, Bruce R.

Nutrition Today, v29, n5, p6(8)

Sept-Oct,

1994

PUBLICATION FORMAT: Magazine/Journal ISSN: 0029-666X LANGUAGE: English

RECORD TYPE: Fulltext TARGET AUDIENCE: Consumer

WORD COUNT: 4687 LINE COUNT: 00422

... likely that there will be a reduced rate of new introductions and hopefully an increased success rate.

**DIET AND HEALTH RECOMMENDATIONS**

Having looked at the new products that industry is selling, we turn to what health professionals are telling us that we...

9/3,K/10 (Item 9 from file: 149)

DIALOG(R)File 149:TGG Health&Wellness DB(SM)

(c) 2002 The Gale Group. All rts. reserv.

01492222 SUPPLIER NUMBER: 15779283 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**International pharmaceutical spending controls: France, Germany, Sweden, and the United Kingdom. (Prescription Drugs: Payment and Policy Issues)**

Gross, David J.; Ratner, Jonathan; Perez, James; Glavin, Sarah L.  
Health Care Financing Review, v15, n3, p127(14)  
Spring,  
1994

PUBLICATION FORMAT: Magazine/Journal ISSN: 0195-8631 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Professional  
WORD COUNT: 6586 LINE COUNT: 00573

... return on sales. Manufacturers can justify keeping additional profits (up to 25 percent over their **target** level) if the **additional profits** are attributable to **new products** or to increased operating efficiency. (12) The general inflation rate is measured by the growth...

9/3,K/11 (Item 10 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
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01491342 SUPPLIER NUMBER: 15785807 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Hot insurance careers.**  
Nelson, Kristin L.  
Best's Review - Property-Casualty Insurance Edition, v95, n6, p30(5)  
Oct,  
1994  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0161-7745 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Trade  
WORD COUNT: 2079 LINE COUNT: 00170

... are considered highly valuable candidates.  
Individuals with sales or account management experience may move into **another** career track, such as **product** development, strategic **planning** and other marketing areas, with **compensation** ranging from \$45,000 to \$125,000. At the top, they can make more than...

9/3,K/12 (Item 11 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
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01477127 SUPPLIER NUMBER: 14994220 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**New guaranteed issue voluntary LTD. (Provident Life and Accident Insurance Co. introduces a new group long term disability insurance) (Product Announcement)**  
Koco, Linda  
National Underwriter Life & Health-Financial Services Edition, n15, p 11(2)  
April 11,  
1994  
DOCUMENT TYPE: Product Announcement PUBLICATION FORMAT: Magazine/Journal  
ISSN: 0893-8202 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
TARGET AUDIENCE: Trade  
WORD COUNT: 733 LINE COUNT: 00069

... Pack, but that one entails medical underwriting, says Byron Cox, marketing support officer-disability operations. **Another** difference: The older **product targets** low-to middle- **income** groups, whereas the new polic **targets** groups with employees in all income ranges.  
Why off guaranteed issue on a voluntary product...

9/3,K/13 (Item 12 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
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01475069 SUPPLIER NUMBER: 15270056 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Clinton health plan faces a \$31 billion deficit, study says. (health care reform, Wyatt Co. study) (Brief Article)**  
Best's Review - Life-Health Insurance Edition, v94, n11, p8(2)  
March,

1994

DOCUMENT TYPE: Brief Article PUBLICATION FORMAT: Magazine/Journal ISSN:  
0005-9706 LANGUAGE: English RECORD TYPE: Fulltext TARGET AUDIENCE:  
Consumer  
WORD COUNT: 302 LINE COUNT: 00023

... to employer plans. In addition, new taxes and assessments from the plan are estimated to produce an additional \$23.9 billion in revenue. If the plan can restrain cost inflation, even more could be saved.

A separate Wyatt study revealed that...

9/3,K/14 (Item 13 from file: 149)

DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
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01434718 SUPPLIER NUMBER: 14734990 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
"The Rexall tradition." (Rexall Showcase International)

Benson, Joan

Nutrition Forum, v10, n6, p41(5)

Nov-Dec,

1993

PUBLICATION FORMAT: Newsletter ISSN: 0748-8165 LANGUAGE: English

RECORD TYPE: Fulltext TARGET AUDIENCE: Consumer; Professional

WORD COUNT: 3804 LINE COUNT: 00372

... The Right Choice"; credit and insurance applications; order forms; and brochures on the company's products and compensation plan.

\* News from Showcase International reports on conferences, successful distributors, and new products and sales aids. It...

9/3,K/15 (Item 14 from file: 149)

DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
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01424890 SUPPLIER NUMBER: 13248489 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
'I recommend...' What R.Ph.s suggest in OTCs. (retail pharmacists,

over-the-counter drugs) (Cover Story)

Gannon, Kathi

Drug Topics, v137, n16, p30(2)

August 16,

1993

DOCUMENT TYPE: Cover Story PUBLICATION FORMAT: Magazine/Journal ISSN:

0012-6616 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

TARGET AUDIENCE: Trade

WORD COUNT: 858 LINE COUNT: 00078

... process, Drug Topics, once again, looked at pharmacist recommendations from two perspectives: first, from the percentage of pharmacists recommending specific product categories and, second, from the percentage of pharmacists recommending specific brands within those categories. And, once again, we found that pharmacists recommend product categories...

9/3,K/16 (Item 15 from file: 149)

DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
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01301237 SUPPLIER NUMBER: 10874229 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Interrater reliability of videotaped observational gait-analysis assessments.

Eastlack, Martha E.; Arvidson, Julianne; Snyder-Mackler, Lynn; Danoff, Jerome V.; McGarvey, Charles L.

Physical Therapy, v71, n6, p465(8)

June,

1991

PUBLICATION FORMAT: Magazine/Journal ISSN: 0031-9023 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Professional  
WORD COUNT: 3734 LINE COUNT: 00423

... difficult for three reasons. First, they did not describe the results for each variable rated. **Second**, they also used Pearson **Product-Moment** Correlation Coefficients and **percentages** of agreement to **analyze** their data, which we believe can yield inflated reliability coefficients. Third, they studied only kinematics...

9/3,K/17 (Item 16 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
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01118534 SUPPLIER NUMBER: 04645888 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Development of a more market-oriented economy in China.**  
Chow, Gregory C.  
Science, v235, p295(5)  
Jan 16,  
1987

PUBLICATION FORMAT: Magazine/Journal ISSN: 0036-8075 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Academic  
WORD COUNT: 4457 LINE COUNT: 00445

... elements of the industrial reforms include (i) a certain autonomy regarding the use of retained **profits**, production **planning**, sales of output, experimentation with **new products**, and capital expansion; (ii) adopted of features of an "economic responsibility system" by assignment of ...

9/3,K/18 (Item 17 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
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01096507 SUPPLIER NUMBER: 04608635  
**Cultural differences probed to create product identity.**  
Agnew, Joe  
Marketing News, v20, n22, p22(1)  
Oct 24,  
1986

PUBLICATION FORMAT: Magazine/Journal ISSN: 0025-3790 LANGUAGE: English  
RECORD TYPE: Abstract TARGET AUDIENCE: Professional

...ABSTRACT: products promote their merchandise effectively in marketplaces where cultural differences affect sales. Examples of the **successful** use of the **Target products** to position **new products** are discussed, including its use by: Liquado (a child's breakfast beverage, marketed in Mexico...

9/3,K/19 (Item 18 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
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01072862 SUPPLIER NUMBER: 03184770 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Advances in a special sector; the business of biotechnology.**  
Hall, Peter  
Financial World, v153, p8(7)  
March 21,  
1984

PUBLICATION FORMAT: Magazine/Journal ISSN: 0015-2064 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Consumer; Trade  
WORD COUNT: 4020 LINE COUNT: 00400

... don't have a coherent strategy, but they're very oriented toward getting high-value- **added products** on the market. I **project** a very

' ' ' nice **earnings** development for Centocor," predicts Pru-Bache's Siegler.  
Still, the company has not promoted itself...

9/3,K/20 (Item 1 from file: 444)  
DIALOG(R)File 444:New England Journal of Med.  
(c) 2002 Mass. Med. Soc. All rts. reserv.

00119752  
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#### The Allocation of Cadaveric Kidneys (Editorials)

Helderman, J. Harold; Goral, Simin.  
The New England Journal of Medicine  
Nov 4, 1999; 341 (19),pp 1468-1469  
LINE COUNT: 00131 WORD COUNT: 01815

#### TEXT

...estimated cost savings, when the duration of cold ischemia was taken into account. A national **allocation** program was not **estimated** to **produce additional** savings, because the **additional** costs associated with longer cold-ischemia times were greater than the savings associated with minimizing...

9/3,K/21 (Item 2 from file: 444)  
DIALOG(R)File 444:New England Journal of Med.  
(c) 2002 Mass. Med. Soc. All rts. reserv.

00109873  
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#### An Economic Evaluation Of Asthma In The United States (Special Article)

Weiss, Kevin B.; Gergen, Peter J.; Hodgson, Thomas A.  
The New England Journal of Medicine  
Mar 26, 1992; 326 (13),pp 862-866  
LINE COUNT: 00400 WORD COUNT: 05522

#### TEXT

...and over-the-counter drugs). Whenever a choice was necessary, we selected the more conservative **alternative** in order to **produce** a lower **estimate** (e.g., the **earnings** of women rather than men were used to calculate indirect costs for school days lost...